

SKG-IKOB

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European Technical Assessment

ETA-16/0093
Of 22/03/2022

General part

Technical Assessment Body issuing the European Technical Assessment:

SKG-IKOB Certificatie BV

Trade name of the construction product

Firesafe FT Seal pad

Product family to which the
construction product belongs

Fire Stopping and Sealing Product:
Penetration Seals

Manufacturer

Firesafe AS
Robsrudskogen 15
NO – 1470 Lørenskog
Norway
Tel.: +47 09 110
E-mail: info@firesafe.no
Web: www.firesafe.no

Manufacturing plants

A004

This European Technical Assessment
contains

69 pages including 1 Annex which form an integral part of
this assessment.

This European Technical Assessment is
issued in accordance with regulation
(EU) No 305/2011, on the basis of
This ETA replaces/amends/is a
corrigendum to

EAD 350454-00-1104, edition September 2017

ETA 16-0093, version 4, issued on 19-12-2018

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

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Specific parts

1 Technical description of the product

Firesafe FT Seal pads are closure devices used to form penetration seals to reinstate the fire resistance performance of drywall constructions, where they have been provided with apertures for electrical sockets.

Product	Description
Firesafe FT Seal pad	Firesafe FT Seal pad is supplied as an intumescent pad used as penetration seal for sockets mounted in flexible walls and ceilings. The liner has to be mounted inside at the back of the socket.

Firesafe FT Seal pads contain no carcinogenetic substances or mutagenic substances, flame retardants or anti microbiological agents.

The applicant has submitted a written declaration that the product and/or constituents of the product contains no substances which have been classified as dangerous according to Directive 67/548/EEC and Regulation (EC) No. 1272/2008 and listed in the 'indicative list on dangerous substances' of the EGDS – taking into account the installation conditions of the construction product and the release scenarios resulting from there.

In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

2 Specification of the intended uses in accordance with the applicable Assessment Document (hereinafter EAD)

2.1 Intended use

The intended use of Firesafe FT Seal pads is to reinstate the fire resistance performance of drywall constructions, where they have been provided with apertures for electrical sockets.

The specific elements of construction that the Firesafe FT Seal pads may be used to provide a penetration seal in, are as follows:

- Flexible walls: The wall must have a minimum thickness of 100 mm and comprise steel studs lined on both faces with minimum 2 layers of 12.5 mm thick boards; in compliance with EN 1363-1 or EN 1364-1; plaster walls with gypsum plasterboards type A up to F according to EN 520.
- Flexible ceilings: The wall must have a minimum thickness of 150 mm and comprise steel studs lined on both faces with minimum 2 layers of 12.5 mm thick boards; in compliance with EN 1363-1.

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period. Detailed information and data are given in Annex A.

Environmental conditions are type Z₂: intended for uses in internal conditions with humidity lower than 85 % RH excluding temperatures below 0°C, without exposure to rain or UV.

2.2 Working life

The assumed working life of Firesafe FT Seal pads are for the intended use 10 years, provided that the assembled product is subject to appropriate installation, use and maintenance. The indication of 10 years cannot be interpreted as a guarantee given by Firesafe, but should only be regarded as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3. Performance of the product and references to the methods used for its assessment

The assessment of fitness for use has been made in accordance with EAD 350454-00-1104.

Firesafe FT Seal pad		
No	Essential Characteristic	Product performances
BWR 2 Safety in case of fire		
1	Reaction to fire	Class F
2	Resistance to fire	See annex A
BWR 3 Hygiene, health and environment		
3	Air permeability	No performance determined
4	Water permeability	No performance determined
5	Content, emission and/or release of dangerous substances	Declaration of manufacturer
BWR 4 Safety and accessibility in use		
6	Mechanical resistance and stability	No performance determined
7	Resistance to movement	No performance determined
8	Adhesion	No performance determined
9	Durability	Z ₂
BWR 5 Protection against noise		
10	Airborne sound insulation	No performance determined
BWR 6 Energy economy and heat retention		
11	Thermal properties	No performance determined
12	Water vapour permeability	No performance determined

4 **Assessment and verification of consistency of performance (hereinafter AVCP) system applied, with reference to its legal base**

According to the decision 1999/454/EC – Commission Decision of date 22nd June 1999 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards fire stopping, fire sealing and fire protective products, published in the Official Journal of the European Union (OJEU) L178/52 of 14/07/1999, see <http://eur-lex.europa.eu/JOIndex.do>) of the European Commission¹, as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table(s) applies (apply).

Product(s)	Intended use(s)	Level(s) or class(es)	System(s)
Fire stopping and fire sealing products	For fire compartmentation and/or fire protection or fire performance	Any	1

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Tasks of the manufacturer

Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall ensure that the product is in conformity with this European Technical Assessment. The manufacturer may only use initial / raw / constituent materials stated in the technical documentation of this European Technical Assessment.

The factory production control shall be in accordance with the Control Plan of 13/11/2018 relating to the European technical assessment ETA 16/0093 issued on 22/03/2022 which is part of the technical documentation of this European technical approval. The "Control Plan" is laid down in the context of the factory production control system operated by the manufacturer and deposited at SKG-IKOB. The results of factory production control shall be recorded and evaluated in accordance with the provisions of the Control Plan.

Other tasks of the manufacturer

Additional information

The manufacturer shall provide a technical data sheet and an installation instruction with the following minimum information:

(a) Technical data sheet:

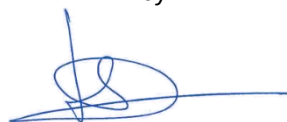
- Field of application:
- Building elements for which the penetration seal is suitable, type and properties of the building elements like minimum thickness, density, and - in case of lightweight constructions – the construction requirements.
- Limits in size, minimum thickness etc. of the penetration seal
- Construction of the penetration seal including the necessary components and additional products (e.g. backfilling material) with clear indication whether they are generic or specific.
- Services which the penetration seal is suitable, type and properties of the services like material, diameter, thickness etc. in case of pipes including insulation materials; necessary/allowed supports/fixings (e.g. cable trays)

(b) Installation instruction:

- Steps to be followed
- Procedure in case of retrofitting
- Stipulations on maintenance, repair and replacement

Issued in Geldermalsen, the Netherlands on 22.03.2022

The original English version is signed on behalf of SKG-IKOB
by



ir. H.A.J. van Dartel
Manager Certification

Firesafe Field of Application

subpage

2

How-to-read FoA charts

ANNEX A

fire resistant performances

pipe penetrations

- 4 plastic pipes - EN norms
- 5 PE + PP + PVC
- 6 PP-R
- 7 PP-MD
- 8 PP-MX
- 9 aluPE-X
- 10 PE-Xa
- metal pipes
- 11 copper
- 12 steel
- 13 cast iron

cable penetrations

- 14 cable trays + ladders + wire mesh
- 15 cables + bundles

air control services

- 16 fire dampers
- 16 air transfer grilles
- 16 duct cladding

structural joints

- 17 linear (expansion) joints

18 electrical socket boxes

FR sockets + wiring

3

blank seals

gaps + openings without any service penetrations

ANNEX B

acoustical performances

sound insulation: penetrations + joints + blank seals

SOCKET BOXES classification

Fire performances are principle configurations, valid for all plastic (incl. halogen-free) socket boxes within range:

width up to 380 mm
height up to 90 mm
depth up to 73 mm

type of box box friction-fixed in wall / floor

single socket

small + standard

max. width 76 mm
max. height 76 mm
max. depth up to 71 mm

extra large + deep

max. width 84 mm
max. height 90 mm
max. depth 73 mm

single on row
+ double socket

max. width 380 mm (eg 5 x 76)
max. height 76 mm
max. depth 71 mm

max. width 152 mm (eg 2 x 76)
max. height 76 mm
max. depth 50 mm

modular socket

max. width 284 mm
max. height 73 mm
max. depth 53 mm

suitable Firesafe products within classification:

FT Seal Pad

DoP CPR-16/0093

acc. EN 1366-3

1 side

2 sides - back-to-back

max. results

[EI 120 in wall 1](#)
[EI 60 in wall 1-n100](#)
[EI 60 in wall 1-n75](#)
[EI 120 in wall 2+3](#)
[EI 120 in ceiling 4](#)

[EI 120 in wall 1](#)
[EI 60 in wall 1-n100](#)

[EI 120 in wall 2+3](#)

acc. EN 1364-1

1 side

2 sides - back-to-back

[EI 60 in wall 1](#)

max. results

[EI 90 in wall 1](#)[EI 60 in wall 1](#)[EI 90 in wall 1](#)[EI 90 in wall 2+3](#)

max. results

[EI 120 in wall 1](#)
[EI 60 in wall 1-n100](#)

[EI 60 in wall 1](#)
[EI 60 in wall 1-n100](#)

[EI 60 in wall 2+3](#)[EI 60 in wall 1](#)[EI 60 in wall 2+3](#)

apply FT Seal Pad into socket box at rear end; 1 FT Seal Pad per socket / module

sockets must be wired, cavity wall must be insulated

if required, apply smoke seal FT Acrylic for seamless adjacent joint socket - construction

supporting construction

Constructive element must be classified acc. EN 13501-2 for the required fire resistance period:

1: flexible wall ≥ 100 mm, insulated
1-n100: flexible wall ≥ 100 mm, **non-insulated**
1-n75: flexible wall ≥ 75 mm, **non-insulated**
2: rigid wall ≥ 100 mm
3: rigid wall ≥ 150 mm
4: flexible ceiling ≥ 150 mm
5: rigid floor ≥ 150 mm
6: CLT wall ≥ 100 mm
7: CLT floor ≥ 140 mm

all plastic socket boxes, incl. halogen free:
acc. EN 1366-3

in flexible walls with plaster board type **F**

in rigid walls + floors
width max. 380 mm
height max. 76 mm
depth max. 71 mm

all plastic socket boxes, incl. halogen free:
acc. EN 1364-1

in flexible walls with plaster board type **A** up to type **F**

width max. 285 mm
height max. 90 mm
depth max. 73 mm

► INDEX

PE + PP + PVC

plastic cable conduits

PP-R

PP-MD

PP-MX

aluPE-X

PE-Xa

copper

steel

steel conduits

cast iron

trays + ladders + wire mesh

cables + bundles

fire dampers

air transfer grilles

duct cladding

linear joints

socket boxes

blank seals

EN norms for plastic pipes

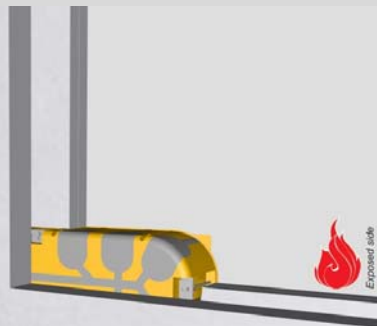
how-to-read

acoustical

environmental

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-13_3

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
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				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
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				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
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				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-55_2

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
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				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad	back-to-back	
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back	
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¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

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Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-4_3

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

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width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

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electrical socket boxes

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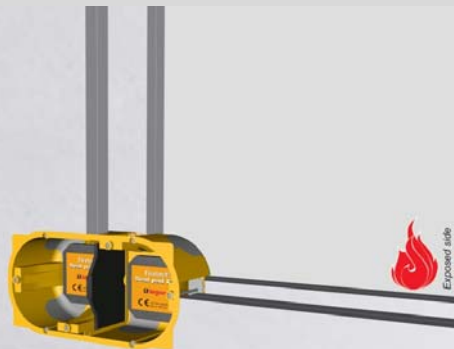
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**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-4_2

Field of Application - double + modular socket

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Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

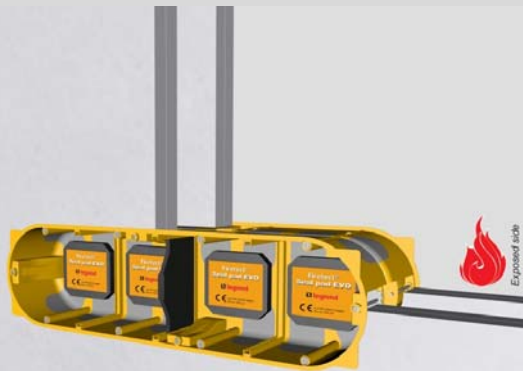
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-55

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-4

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						1 side	2 sides	
wall application											
double socket											
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back	
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back	
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back	
modular socket											
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back	
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

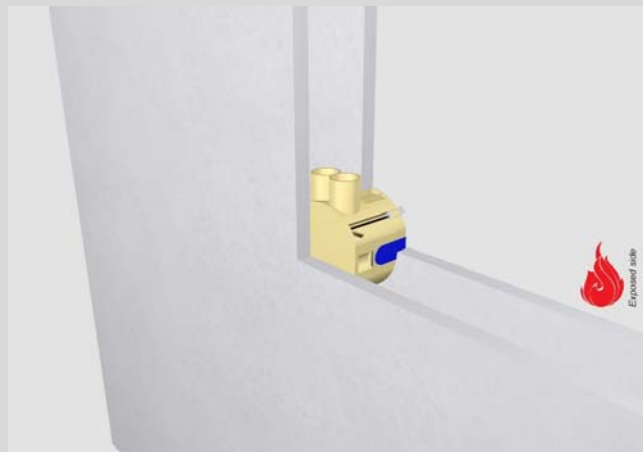
Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
31-60

**Field of Application - single socket incl. on row**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

Technical socket boxes										FT Seal Pad	
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm	all (A up to F)		2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)		1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm	all (A up to F)		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm	all (A up to F))		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm	all (A up to F)		1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)		1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm	all (A up to F)		1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
		84	90	73	EI 90	flexible walls ≥ 100 mm	all (A up to F)		1 Pad	exposed	
		84	90	73	EI 60	flexible walls ≥ 100 mm	all (A up to F)		1 Pad	unexposed	
single socket on row											
max. 5x on row	380	76	71		EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is not required.

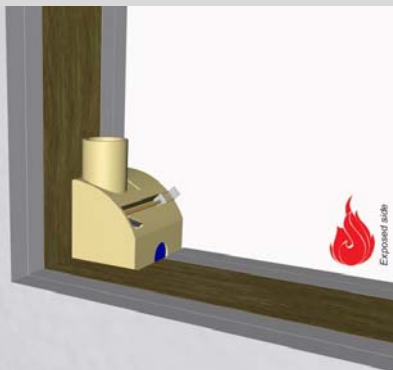
Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
0129d

**Field of Application - single socket incl. on row**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
		84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
		84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row											
max. 5x on row	380	76	71		EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-55_3

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

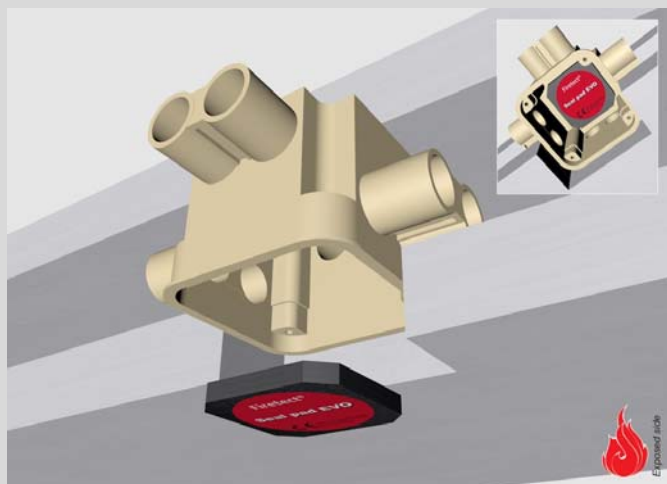
⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 0175



Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						non-standard config.	1 side
wall application										
single socket										
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
standard										
eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed	
	EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back				
	EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back				
extra large / deep										
eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row										
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application										
single socket										
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-13_2

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						1 side	2 sides	
wall application											
double socket											
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm	all (A up to F)		2 x 2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		2x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back		
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back		
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back		
modular socket											
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm	all (A up to F)		2 x 3x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		3x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad	back-to-back		
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm	all (A up to F)		2 x 4x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		4x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad	back-to-back		

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

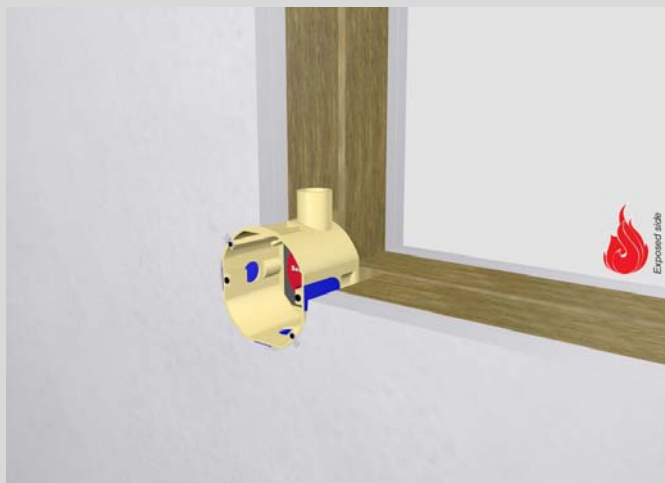
⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 25-7



Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

Technical socket boxes										FT Seal Pad	
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
		84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
		84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row											
max. 5x on row	380	76	71		EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

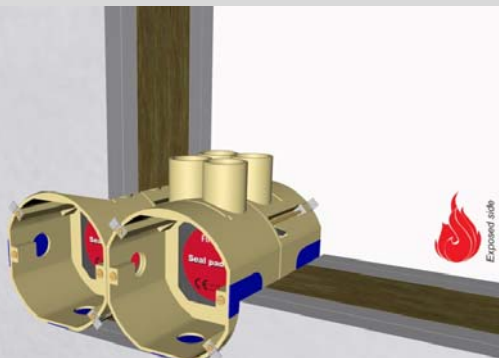
Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
0235

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-13

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-13_3

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

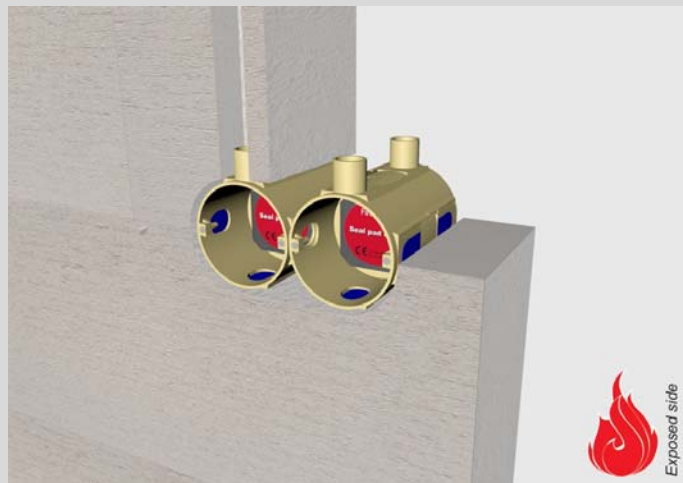
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
0235r

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						1 side	2 sides	
wall application											
double socket											
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back	
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back	
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back	
modular socket											
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back	
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

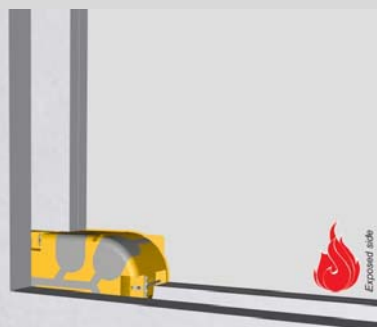
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-13_2

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾				EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth							1 side	2 sides
wall application											
double socket											
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm		F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm		F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm		F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm			all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void			all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm		F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW		2 x 2x 1 Pad		back-to-back
modular socket											
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm		F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm		F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm		F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm			all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void			all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm		F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm		F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm		F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm			all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void			all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

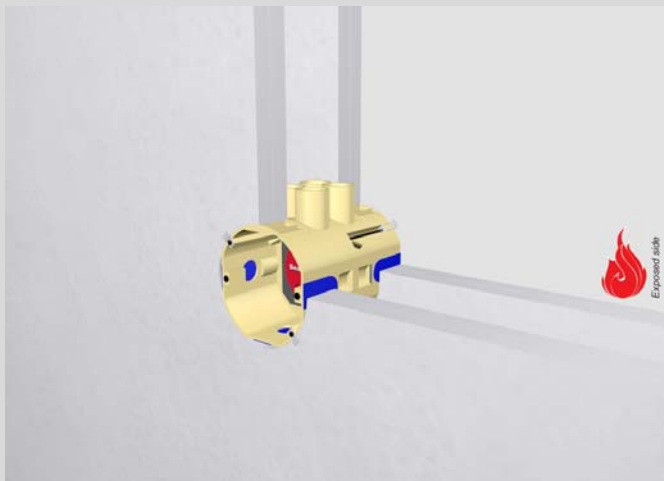
²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 25-18

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

Technical socket boxes										FT Seal Pad	
type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
		84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
		84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row											
max. 5x on row	380	76	71		EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

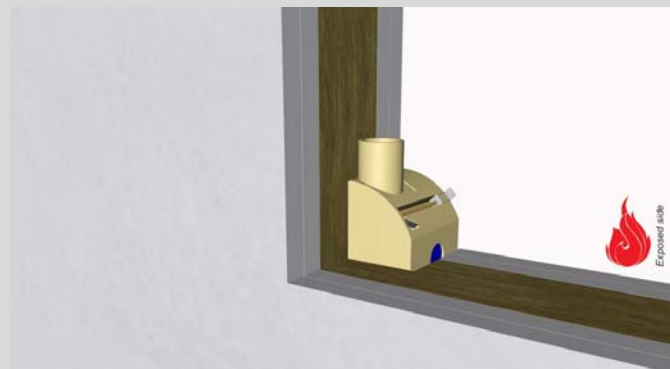
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
0129

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

							FT Seal Pad				
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad		back-to-back	
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back	
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad		back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad		back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad		back-to-back	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
	84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed		
	84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad		unexposed	
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed		

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

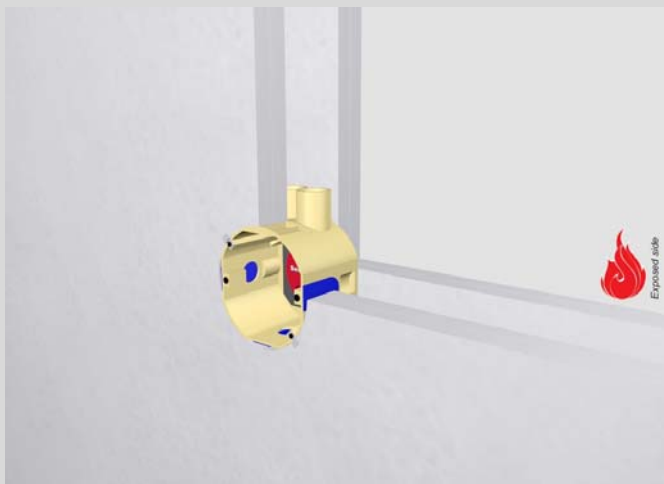
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-17

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

Technical socket boxes										FT Seal Pad	
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
		84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
		84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row											
max. 5x on row	380	76	71		EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

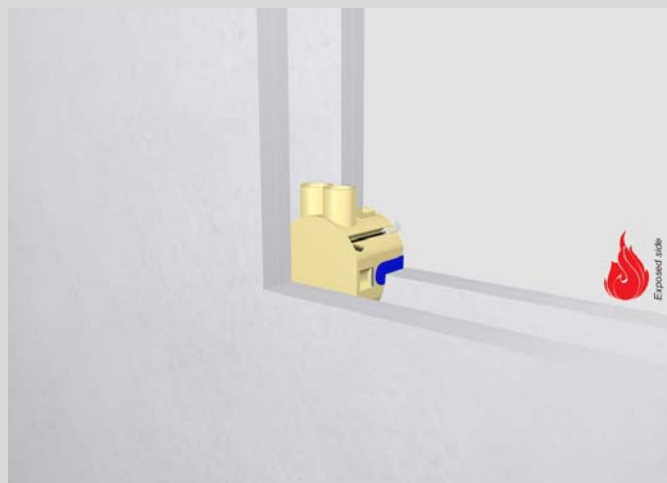
Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-16

**Field of Application - single socket incl. on row**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

										FT Seal Pad	
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			2x 1 Pad	back-to-back		
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			2x 1 Pad	back-to-back		
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed		
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed		

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-19

**Field of Application - single socket incl. on row**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						non-standard config.	1 side
wall application										
single socket										
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			84 90 73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
			84 90 73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row										
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application										
single socket										
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

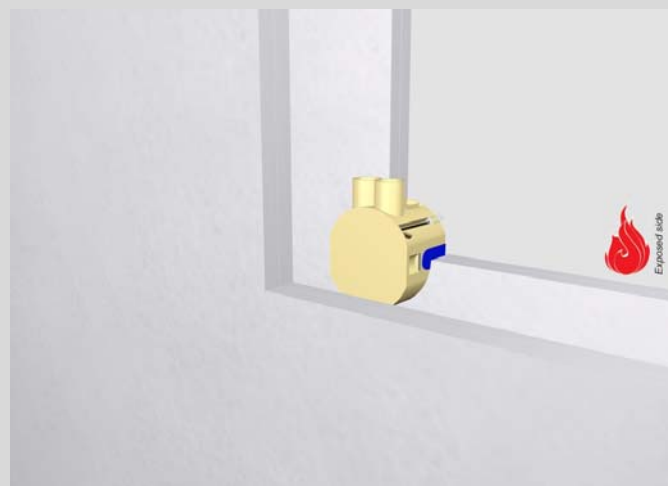
Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
25-1

**Field of Application - single socket incl. on row**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

Technical socket boxes										FT Seal Pad	
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
		84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
		84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property	fire resistance
test method	EN 1366-3
service no.	25-6

Field of Application - **single socket incl. on row**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width:	67mm up to max. 380 mm
height:	max. 90 mm
depth:	max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

Technical secret box										FT Seal Pad			
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application				
	width	height	depth						non-standard config.	1 side	2 sides		
wall application													
single socket													
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed				
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back				
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed				
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back				
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back				
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed				
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed				
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed				
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed				
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed				
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed				
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back				
	EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back							
extra large / deep	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			eg Betek,	84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
			Schneider etc.	84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row													
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed				
ceiling application													
single socket													
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed				

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 23-19



Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

Technical socket boxes										FT Seal Pad	
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
		84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
		84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row											
max. 5x on row	380	76	71		EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 23-30

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			84 90 73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed		
			84 90 73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed		
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

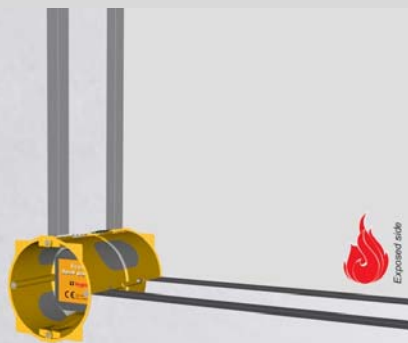
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-31

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾				EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth	non-standard config.						1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F	1 Pad	unexposed			
				EI 120	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back			
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	2x 1 Pad	back-to-back			
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F	1 Pad	exposed			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	unexposed			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back			
			+ 10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	exposed			
			EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back			
			EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back			
standard											
eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F	1 Pad	unexposed			
				EI 120	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back			
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	2x 1 Pad	back-to-back			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	exposed			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	unexposed			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back			
			non-insulated walls	EI 60	flexible walls ≥ 160 mm	all (A up to F))	1 Pad	exposed			
			non-insulated walls	EI 60	flexible walls ≥ 75 mm	all (A up to F)	1 Pad	exposed			
			10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	exposed			
			10mm void	EI 60	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	unexposed			
				EI 120	rigid walls ≥ 100 mm	BW	1 Pad	exposed			
				EI 120	rigid walls ≥ 100 mm	BW	1 Pad	unexposed			
				EI 120	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back			
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
extra large / deep											
eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				84 90 73	EI 90	flexible walls ≥ 100 mm	all (A up to F)	1 Pad	exposed		
				84 90 73	EI 60	flexible walls ≥ 100 mm	all (A up to F)	1 Pad	unexposed		
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

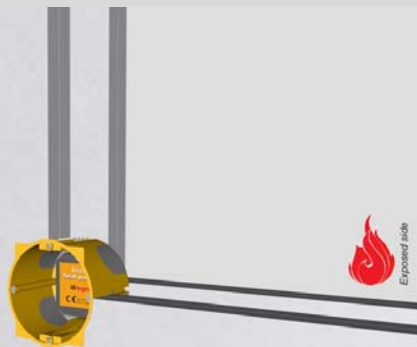
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-20

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

							FT Seal Pad				
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			84 90 73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed		
			84 90 73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed		
single socket on row											
max. 5x on row	380	76	71		EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

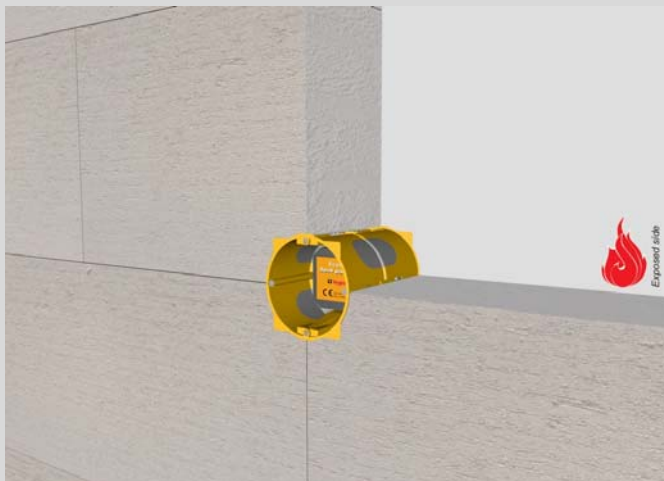
²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 23-10r

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			EI 120	rigid walls ≥ 100 mm		BW		2x 1 Pad	back-to-back		
			EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back		
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
		84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
		84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row											
max. 5x on row	380	76	71		EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1364-1
11-26r_2

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-8_3

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾				EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth							1 side	2 sides
wall application											
double socket											
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm		F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm		F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm		F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm			all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void			all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm		F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW		2 x 2x 1 Pad		back-to-back
modular socket											
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm		F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm		F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm		F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm			all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void			all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm		F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm		F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm		F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm			all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall		F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void			all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

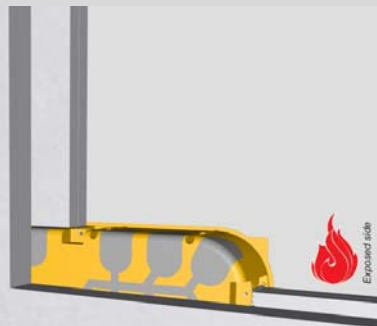
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-13

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
standard	152	76	50	EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			2 x 2x 1 Pad		back-to-back
				EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

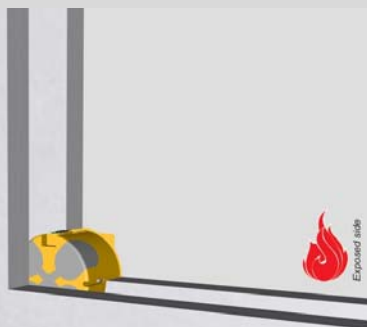
²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-11

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						non-standard config.	1 side
wall application										
single socket										
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
standard										
eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
extra large / deep										
eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			84 90 73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
			84 90 73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row										
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application										
single socket										
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-8

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						1 side	2 sides	
wall application											
double socket											
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		2x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad	back-to-back		
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back		
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back		
modular socket											
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		3x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad	back-to-back		
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		4x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad	back-to-back		

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-7

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						1 side	2 sides	
wall application											
double socket											
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back	
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back	
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back	
modular socket											
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back	
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed		
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1364-1
11-26r

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)	2x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad	back-to-back	
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back	
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back	
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)	3x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad	back-to-back	
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)	4x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad	back-to-back	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail	Firesafe
tested property	fire resistance
test method	EN 1364-1
service no.	11-26_2

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width:	135 mm up to max. 278 mm
height:	max. 76 mm
depth:	max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1364-1
11-26r_3

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1364-1
11-26

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-7_3

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

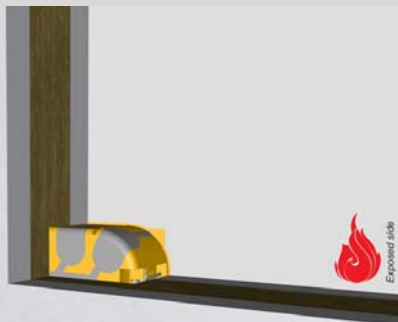
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-8_2

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-7_2

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)	2x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back	
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad	back-to-back	
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad	back-to-back	
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)	3x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad	back-to-back	
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)	4x 1 Pad	exposed		
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad	back-to-back	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1364-1
11-26_3

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

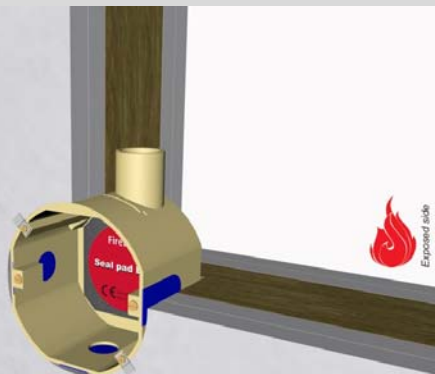
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
10-29

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

								FT Seal Pad			
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
	EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back				
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed		
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed		

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
10-21r_2

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void	all (A up to F)		4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
23-10

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						non-standard config.	1 side
wall application										
single socket										
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad		back-to-back
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	
standard eg Attema, ABB/Haf, PeHA, OBO, Hella/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad		back-to-back
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row										
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application										
single socket										
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
21-28

**Field of Application - single socket incl. on row**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

										FT Seal Pad			
type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application				
	width	height	depth						non-standard config.	1 side	2 sides		
wall application													
single socket													
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed				
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back				
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed				
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back				
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back			
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed				
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed				
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed				
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed				
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed				
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed				
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back				
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back			
extra large / deep	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			eg Betek,	84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
			Schneider etc.	84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row													
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed				
ceiling application													
single socket													
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed				

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

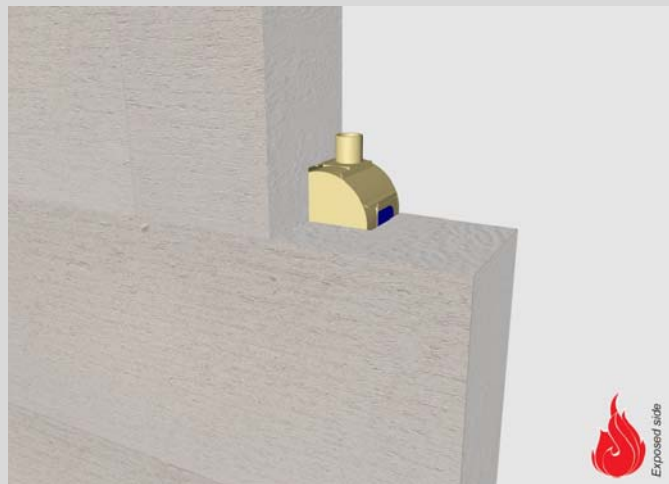
³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
21-29

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

FT Seal Pad									
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad	application
	width	height	depth					non-standard config.	1 per module ⁴⁾
wall application									
single socket									
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back	
			+ 10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed
				EI 120	flexible walls ≥ 100 mm	F	1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 160 mm	all (A up to F))	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 75 mm	all (A up to F)	1 Pad	exposed	
			10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	exposed	
			10mm void	EI 60	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back	
	EI 60	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back				
extra large / deep									
eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed
	84	90	73	EI 90	flexible walls ≥ 100 mm	all (A up to F)		1 Pad	exposed
	84	90	73	EI 60	flexible walls ≥ 100 mm	all (A up to F)		1 Pad	unexposed
single socket on row									
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed
ceiling application									
single socket									
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 21-30



Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
standard eg Attema, ABB/Haf, PeHA, OBO, Hella/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed		
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

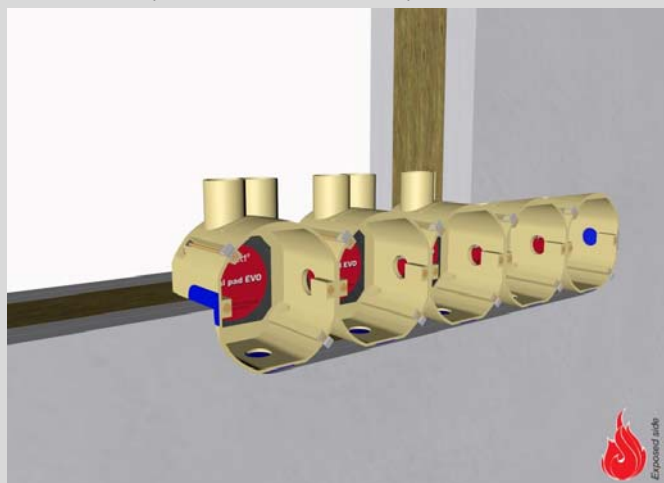
⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 16-10



Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						non-standard config.	1 side
wall application										
single socket										
small	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
eg Legrand				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad		back-to-back
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad		back-to-back
standard	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed	
eg Attema, ABB/Haf,				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
PeHA, OBO,				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back
Helia/Kaiser etc.				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad		back-to-back
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad		back-to-back
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad		back-to-back
extra large / deep	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
eg Betek,	84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
Schneider etc.	84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row										
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application										
single socket										
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

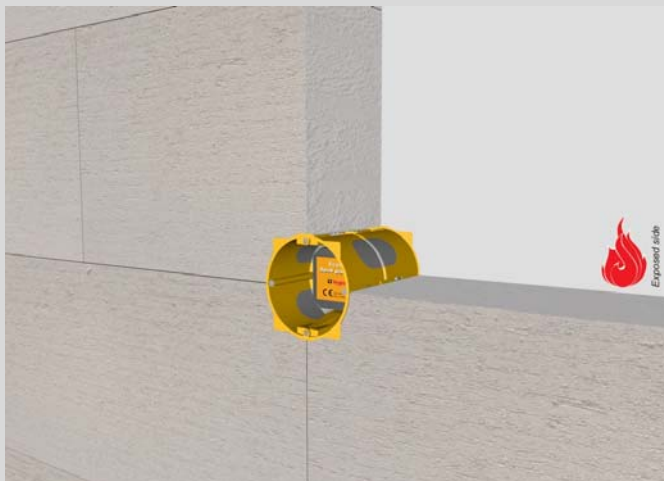
²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 11-18r

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						non-standard config.	1 side
wall application										
single socket										
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Hella/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
							EI 60	rigid walls ≥ 100 mm		BW
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			84 90 73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
			84 90 73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row										
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application										
single socket										
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
11-14r

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

Technical socket boxes										FT Seal Pad			
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application				
	width	height	depth						non-standard config.	1 side	2 sides		
wall application													
single socket													
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed				
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back				
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed				
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back				
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back			
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed				
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed				
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back				
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed				
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed				
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed				
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed				
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	exposed				
				EI 120	rigid walls ≥ 100 mm		BW	1 Pad	unexposed				
				EI 120	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back				
				EI 60	rigid walls ≥ 100 mm			BW	2x 1 Pad	back-to-back			
extra large / deep	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed				
			eg Betek,	84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed	
			Schneider etc.	84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed	
single socket on row													
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed				
ceiling application													
single socket													
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed				

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail**Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
10-21_3

**Field of Application - double + modular socket**

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
10-21r_3

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
			EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back	
			EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed		
			EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed		
			EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back	
			EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed		
			EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back	
			EI 60	rigid walls ≥ 100 mm			BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
10-21r

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

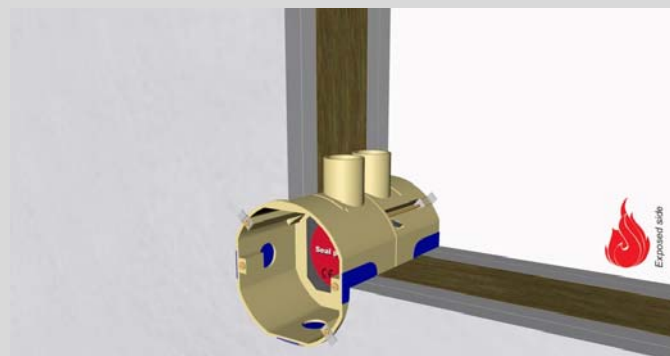
²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 11-14

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

							FT Seal Pad				
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application		
	width	height	depth						non-standard config.	1 side	2 sides
wall application											
single socket											
small	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
eg Legrand				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
standard	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
eg Attema, ABB/Haf,				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
PeHA, OBO,				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
Helia/Kaiser etc.				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back		
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back		
extra large / deep	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
eg Betek,	84	90	73	EI 90	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	exposed		
Schneider etc.	84	90	73	EI 60	flexible walls ≥ 100 mm		all (A up to F)	1 Pad	unexposed		
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed		

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 11-18

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾				EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth	non-standard config.						1 side	2 sides
wall application											
single socket											
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	F	1 Pad	unexposed			
				EI 120	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back			
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	2x 1 Pad	back-to-back			
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F	1 Pad	exposed			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	unexposed			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back			
			+ 10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	exposed			
				EI 120	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back			
				EI 60	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back			
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 120	flexible walls ≥ 100 mm	F	1 Pad	unexposed			
				EI 120	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back			
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	2x 1 Pad	back-to-back			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	exposed			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	1 Pad	unexposed			
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F	2x 1 Pad	back-to-back			
			non-insulated walls	EI 60	flexible walls ≥ 160 mm	all (A up to F))	1 Pad	exposed			
			non-insulated walls	EI 60	flexible walls ≥ 75 mm	all (A up to F)	1 Pad	exposed			
			10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	exposed			
			10mm void	EI 60	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	unexposed			
				EI 120	rigid walls ≥ 100 mm	BW	1 Pad	exposed			
				EI 120	rigid walls ≥ 100 mm	BW	1 Pad	unexposed			
				EI 120	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back			
				EI 60	rigid walls ≥ 100 mm	BW	2x 1 Pad	back-to-back			
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed		
				EI 90	flexible walls ≥ 100 mm	all (A up to F)	1 Pad	exposed			
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	1 Pad	unexposed			
single socket on row											
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed		
ceiling application											
single socket											
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F		1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

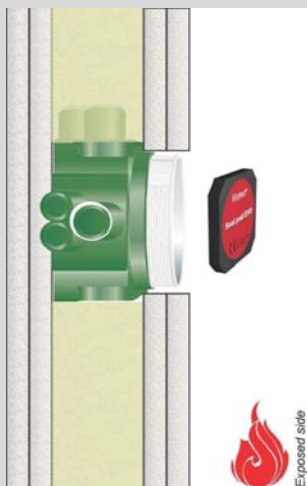
²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)



principle detail **Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
11-12

Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

FT Seal Pad										
type	size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						non-standard config.	1 side
wall application										
single socket										
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			+ 10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	exposed		
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Helia/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	2x 1 Pad	back-to-back		
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 160 mm	all (A up to F))	1 Pad	exposed		
			non-insulated walls	EI 60	flexible walls ≥ 75 mm	all (A up to F)	1 Pad	exposed		
			10mm void	EI 90	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	exposed		
			10mm void	EI 60	flexible walls ≥ 160 mm	all (A up to F)	1 Pad	unexposed		
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
	EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back				
extra large / deep eg Betek, Schneider etc.	Ø76	71		EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	all (A up to F)	1 Pad	exposed		
				EI 60	flexible walls ≥ 100 mm	all (A up to F)	1 Pad	unexposed		
single socket on row										
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application										
single socket										
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
10-21_2

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm	BW		2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm	BW		2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all plastic** socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

Installation:

- installation instructions in TDS
- if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

**principle detail****Firesafe**

tested property
test method
service no.

fire resistance
EN 1366-3
10-21

Field of Application - double + modular socket

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 135 mm up to max. 278 mm
height: max. 76 mm
depth: max. 50 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	max. size (mm) ¹⁾			EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						1 side	2 sides
wall application										
double socket										
2x module small	135	67	50	EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 2x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	2x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
standard	152	76	50	EI 90	flexible walls ≥ 100 mm	F		2 x 2x 1 Pad		back-to-back
				EI 90	rigid walls ≥ 100 mm		BW	2 x 2x 1 Pad		back-to-back
modular socket										
3x module eg Legrand	210	67	50	EI 120	flexible walls ≥ 100 mm	F		3x 1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		3x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 3x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	3x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 3x 1 Pad		back-to-back
4x module eg Legrand	278	67	50	EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	exposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		4x 1 Pad	unexposed	
				EI 60	flexible walls ≥ 100 mm non-insulated wall	F		2 x 4x 1 Pad		back-to-back
				EI 60	flexible walls ≥ 160 mm + 10mm void		all (A up to F)	4x 1 Pad	exposed	
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back
				EI 60	rigid walls ≥ 100 mm		BW	2 x 4x 1 Pad		back-to-back

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, BW = blockwork/concrete/masonry.

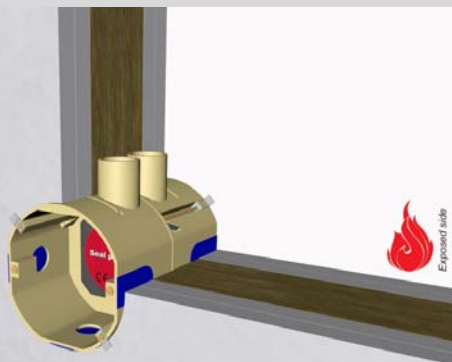
⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

⁵⁾ With a seamless installation in constructive element, a smoke seal is **not** required.

- Installation:**
- installation instructions in TDS
 - if required, apply smoke seal Firesafe FT Acrylic around penetration opening 5)

principle detail **Firesafe**

tested property fire resistance
test method EN 1366-3
service no. 0002



Field of Application - single socket incl. on row

Socket box size (volume) may vary and is allowed within classified range:

all plastic socket boxes, incl. halogen free:

width: 67mm up to max. 380 mm
height: max. 90 mm
depth: max. 73 mm

Principle detail. **EI** is determined by test configuration; see below table.

electrical socket boxes

type	size (mm) ¹⁾			 EI	constructive element ²⁾	acc. EN 1366-3 board type ³⁾	acc. EN 1364-1 board type ³⁾	Firesafe socket pad 1 per module ⁴⁾	application	
	width	height	depth						non-standard config.	1 side
wall application										
single socket										
small eg Legrand	Ø67	50		EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 90	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 120	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			+ 10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
standard eg Attema, ABB/Haf, PeHA, OBO, Hella/Kaiser etc.	Ø76	50		EI 90	flexible walls ≥ 100 mm	F		1 Pad	exposed	
				EI 120	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
				EI 120	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
				EI 60	flexible walls ≥ 100 mm		all (A up to F)	2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		1 Pad	unexposed	
			non-insulated walls	EI 60	flexible walls ≥ 100 mm	F		2x 1 Pad	back-to-back	
			non-insulated walls	EI 60	flexible walls ≥ 160 mm		all (A up to F))	1 Pad	exposed	
			non-insulated walls	EI 60	flexible walls ≥ 75 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 90	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	exposed	
			10mm void	EI 60	flexible walls ≥ 160 mm		all (A up to F)	1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	exposed	
				EI 120	rigid walls ≥ 100 mm	BW		1 Pad	unexposed	
				EI 120	rigid walls ≥ 100 mm	BW		2x 1 Pad	back-to-back	
				EI 60	rigid walls ≥ 100 mm		BW	2x 1 Pad	back-to-back	
			extra large / deep eg Betek, Schneider etc.	Ø76	71	EI 60	flexible walls ≥ 100 mm	F		1 Pad
84 90 73	EI 90	flexible walls ≥ 100 mm				all (A up to F)	1 Pad	exposed		
84 90 73	EI 60	flexible walls ≥ 100 mm				all (A up to F)	1 Pad	unexposed		
single socket on row										
max. 5x on row	380	76	71	EI 60	flexible walls ≥ 100 mm	F		max. 5x 1 Pad	exposed	
ceiling application										
single socket										
standard	70	70	55	non-insulated ceilings	EI 120	flexible ceilings ≥ 150 mm	F	1 Pad	exposed	

¹⁾ Max. socket box size (actual size, not mounting size), applicable for **all** plastic socket boxes including **halogen-free**.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

³⁾ acc. EN 520, board type: **A** = gypsum plaster board, **F** = gypsum plaster board reinforced, **BW** = blockwork/concrete/masonry.

⁴⁾ FT Seal Pad 50x50mm or proportional made-to-fit.

5) With a seamless installation in constructive element, a smoke seal is not required.