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Datasheet

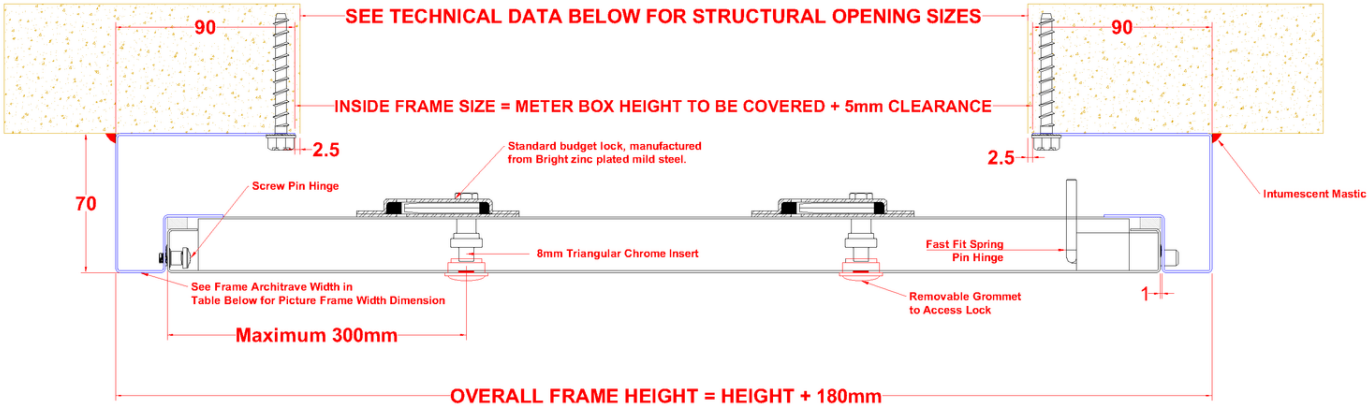
# R16/120S/MD/PF/L11A/L33A/IP43/FPC

## Description

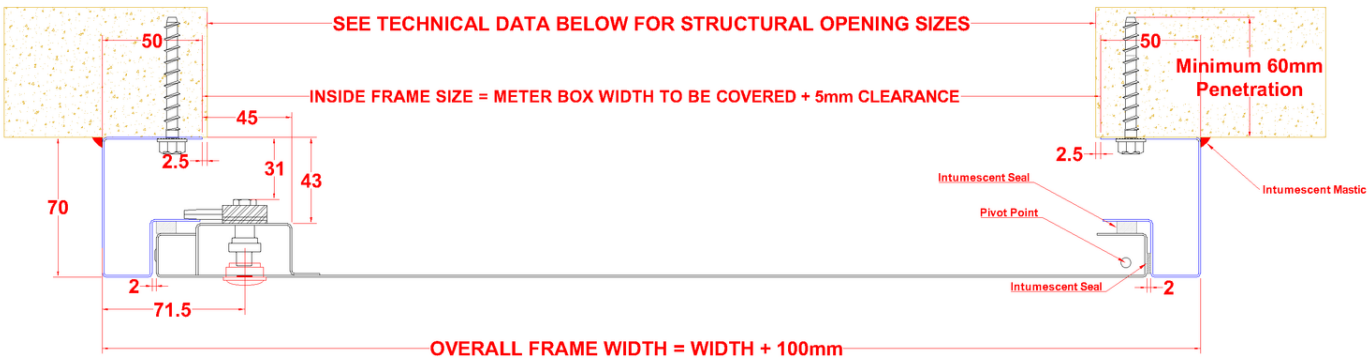
Metal Faced Meter Box, 2 Hour fire rated & Ambient Smoke Control Tested, Metal Door, 25mm wide Picture Frame, Budget Lock, 8mm Triangular Electrical Cabinet Insert, Single Door Unit, Ingress Protection Rating of IP43, Powder Coated RAL 9010 30% Gloss, Fully Powder Coated.

| PRODUCT TYPE | FIRE RATING | SMOKE TESTED | DOOR TYPE | FRAME TYPE | MASTER LOCK TYPE | SECONDARY LOCK TYPE | NUMBER OF DOOR LEAVES | AIRTIGHT RATED | ACOUSTIC RATED |
|---|---|---|---|---|---|---|---|---|---|
| | 2hr | | | | | | 1D | N/A | N/A |

## Section Drawing Height (H)




## Section Drawing Width (W)




## Indicative Product Images (Colour and door handing may differ from that shown)







| Technical Data | |
|---|---|
| Wall or Ceiling or Both (Dual) | Wall |
| Fire Test Standard | • BS EN 1363-1: 2012<br>• BS EN 1634-1: 2014+A1:2018 |
| Fire Performance Rating | • Integrity (E) |
| Fire Tested Side | • Wall application Rear (Services side / opening away from the fire risk side) |
| Fire Tested Size H x W mm | 1070x650mm |
| Assessed Maximum Panel Sizes | Up to 15% increase in height, 15% width and up to 20% area. |
| Size range: Minimum to maximum (H × W mm). Fire Rated Panels: See assessed maximum panel sizes for allowable increases. | 300x200mm up to 1070x650mm |
| Smoke Test Standard | BS EN 1634-3: 2004 |
| Airtightness Tested | No Rating |
| Acoustic Tested | No Rating |
| IP Rating | Ingress Protection Rating of IP43: Objects larger than 1mm & Spraying water |
| Corrosion class C1, C2, C3, C4 | C2 - Low: Exterior: Low-pollution rural environments. Interior: Unheated buildings prone to condensation, e.g. depots and sports halls. |
| Flexible Wall Types | • Currently not Covered |
| Rigid Wall Types | • The wall type shall provide a suitable medium to permit adequate fixity.<br>• Other rated wall constructions, not listed below, may also be acceptable, subject to expert advice from a qualified fire consultant<br>• Blockwork masonry or homogenous concrete constructions<br>• Walls must provide fire resistance equal to the doorset's required performance period. |
| Shaftwall Types | • Currently not Covered |
| Mixed Construction Wall Types | • Currently not Covered |
| Ceiling Types | • Not Suitable for a Ceiling Application |
| Frame Fixing Types | • Masonry: Minimum 7.5mm x 60mm Countersunk Thread Forming Concrete Screws |
| Frame Fixing Hole Distance back from the Face of the Panel | • Overall Frame Depth |
| Permitted Gaps Between the Rear of the Frame and the Structural Opening | • 2.5mm Height x 2.5mm Width |
| Permitted Sealants | • Mann McGowan Pyromas A<br>• Fire-tested alternative sealants to BS EN 1363-1 or BS EN 1634-1 for the required fire resistance duration and substrates in this application. |
| Application of Intumescent Sealants | • Applied Sealing the Rear of the Frame to the Structural Opening |
| Structural Opening Size | • Wall Structural Opening or Existing Overall Meter Box Size Height & Width |
| Panel Size Formula H x Wmm | Structural Opening or Existing Overall Meter Box Size +5mm |
| Clear opening size through the installed panel with the door leaf open at 90 degrees | • Panel Height - 0mm x Panel Width - 30mm |
| **Composition / Manufacturing** | |
| Quality Category | Mid Range |
| Product Design Category | Standard Product |
| Lock Security Level | Grade 2 – Standard Security |
| Frame Architrave Width (e.g. Picture / Beaded Frame) | • 25mm |
| Frame Steel Thickness | 1.2mm |
| Door Steel Thickness | 0.9mm |

| | |
|---|---|
| Door & Frame Material Grade | · Frame: Zintec Steel to BS EN 10152 : 2017 DC01 + ZE 25/25<br>· Door Leaf: Zintec Steel to BS EN 10152 : 2017 DC01 + ZE 25/25 |
| Frame Depth | 70mm |
| Available Frame Depths upon request | Minimum Dimension: 60mm to Maximum Dimension: 150mm |
| Board Infill Type | · None |
| Door Insulation Type | · None |
| Seal Type | · Norseal FS1000 Self Adhesive Intumescent Foam Tape<br>· Sealed to All Door Closing Edges |
| Paint Type | · Polyester Powder Coated<br>· RAL 9010 30% Gloss Pure white |

## Installation Guide

1) Open the door, release the spring pin hinge, and lift the door out of the frame.

2) Place the frame on top of the aperture, ensuring it's 5mm smaller than the panel / back of frame opening size.

3) Fix the frame on top of the aperture using all fixing holes, ensure it is square and flush with the wall.

4) Refit the door by relocating the spring pin hinge ensuring this is fully located then close the door.

5) Lock the door with the key, ensuring it is flush with the frame.

Apply a minimum of 5mm wide intumescent sealant bead to seal the back of the frame to the wall ensuring all gaps are sealed.

**Independent bracing or support may be needed for the Meter Box weight.**