# **SiCab** Multi-purpose Cabinet

## Product Catalogue

**Basic Cabinets**
**Expansions and Accessories**

SICHERT
Your Partner

www.SICHERT.com

SICHERT
Your Partner

## SiCab multi-purpose cabinet

The SiCab outdoor cabinet is a double-walled, weather-proof protective cabinet for accommodation of electronic equipment.
The Cabinet protects the installed components reliably against the effects of weather and mechanical stress.
The housing of the modular cabinet consists of a metal inner shell and a plastic outer shell made of fibreglass reinforced polycarbonate.
The inner housing consists of a upper part (IP 55) and a bottom part (IP 44). The heat is additionally led out of the cabinet by heat-exchanger in the roof.

### Properties and benefits

- **Double-walled outdoor cabinet** made of glass fibre-reinforced polycarbonate (RAL 7038) and aluminium
- **Surface profiling** to prevent billposting
- Outer parts can be removed **without interruption of service**
- Can be installed in series (side-by-side, back-to-back)
- Door(s) with **door-stay** (opening angle >150°), and **three-point locking mechanism with swivel arm** for profile half cylinder
- **Roof module** prepared for the use of climate technology (e.g. heat exchanger)
- **Extremely durable** (> 25 years)

Suitable base or mounting frame can be supplied

## **Norms and Standards** (Specifications dependent on equipment)

| **Design Requirements** | |
|---|---|
| **Deutsche Telekom TS 0273/96** | Multi-purpose cabinet and plinth (base) |
| **ETS 300119-3, -4, DIN 43356** | ETS racks and assembly racks |
| **EN 301169-2** | External cabinet dimensions |
| **VDI Guideline 2243** | Separability of materials |
| **DIN ISO 2768-1 (m)** | Tolerances |

| **Mechanical and climatic durability** | |
|---|---|
| **DIN 47609** | Weatherproof plastic coupler cabinets for telecommunication, control and signalling cables, mechanical strength, resistance to fracture, water condensation |
| **ETSI EN 300019-1-4 climate class 4.1E (operation)** | Operating ambient temperature range of -45° to +45°C (without exposure to sunlight) (relative humidity of 8% to 100%) |
| **DIN EN 60068 -2-2, -2-14, -2-30, -2-6, -2-64, -2-29** | Temperature changes, damp heat, vibration, continuous shock |
| **EN 50125-3 climate class T1, VDE 0115-108-3** | Environmental conditions for signalling and telecommunications equipment |
| **ETS 300019-1-2, DIN EN 60068-2-31** | Transportation, overturning and frame strength |
| **IEC 62262, DIN EN 50102/A1, EC 60068-2-75, VDE 0470-100, DIN EN 62262** | Outer mechanical stress<br>Shock resistance grade IK 10 |
| **EN 61439-5, IEC 61439-5, DIN EN 61439-5, VDE 0660-503** | Cable distributor enclosures for power distribution networks<br>(Low-voltage switchgear and controlgear assemblies) |
| **DIN 50018-KWF 0,2S** | Corrosion resistance of metal parts; Condensation water alternating atmosphere with an atmosphere with sulphur dioxide content |
| **Deutsche Telekom TS 0273/96** | Load capacity of racks, base stability, wind load, climate technology |
| **DIN V ENV 1627, DIN V ENV 1630** | Protection against burglary (RC2/WK2) |

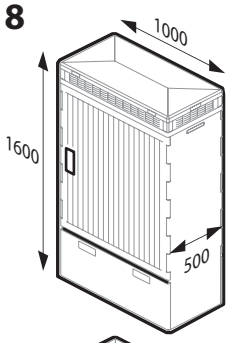
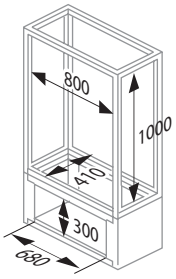
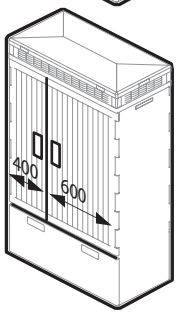
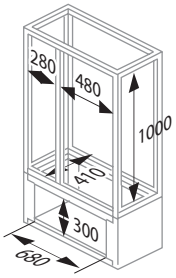
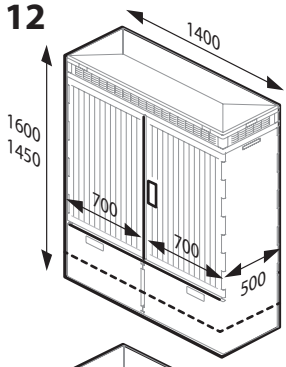
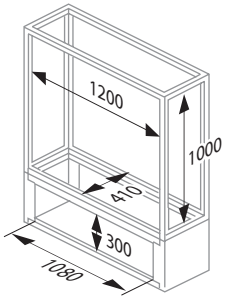
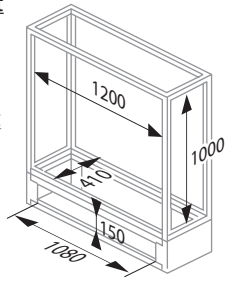
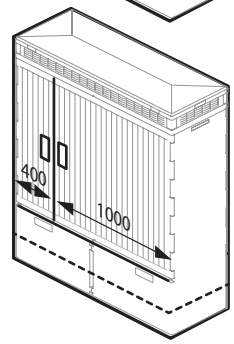
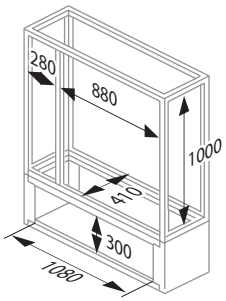
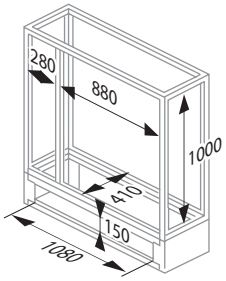
| **Electrical requirements and safety** | |
|---|---|
| **DIN 40050, IEC 529, VDE 0470, EN 60529** | Protection rating IP 55, 54, 44, 43 |
| **DIN VDE 0100-410, DIN EN 50 174, DIN VDE 0800-2, DIN VDE 0100-520** | Grounding measures |
| **EN 62305-1, EN 62305-4, EN 61643-11** | Lighting current immunity, interference immunity |
| **UL94 HB** | Self-extinguishing material |
| **IEC 512-2-2a** | Potential equalisation resistance |
| **IEC TS 61587-3** | Shielding effectiveness, EMC 30 up to 2500 MHz |
| **DB directive 997.0205A01** | Current carrying capacity and short-circuit resistance of frames |

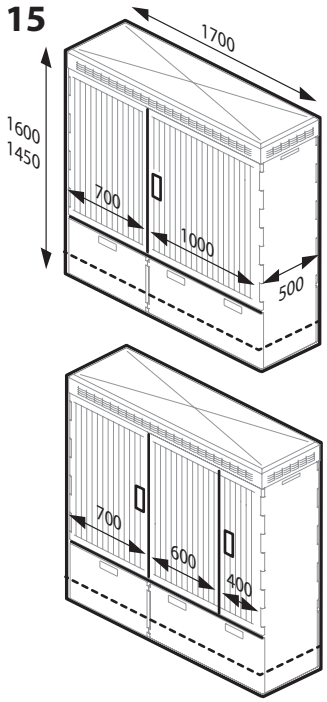
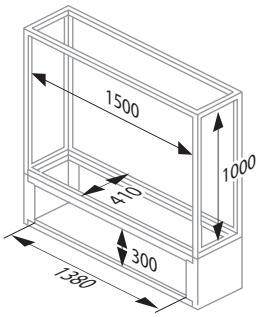
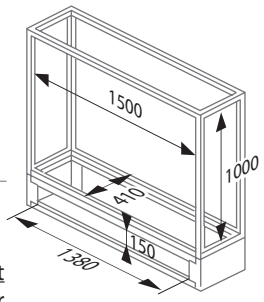
| **Environment** | |
|---|---|
| **DIN ISO 11469, DIN 1451** | Marking plastic for correctly sorted recycling |
| **TA Lärm (German noise prevention code, equivalent to ETS 300753), ISO 9613-2, ISO 3744, ISO 3746, BImSchG (German Federal immission control act)** | Noise emissions, immission protection |

| **Authorisations and approvals** | |
|---|---|
| **EU directive 96/48/EC** | Technical specifications for interoperability (railway) |
| **Deutsche Telekom TS 0273/96** | Type sample testing and technical specifications for DTAG cabinet and base |

## Equipment of basic cabinet

- Cabinet with the **label** SICHERT / [ neutral ]
- Door(s) with **double locking mechanism swivel arm** with emergency key and 1x dummy cylinder, **door stay**, **document pocket(s)** A4
- Profile frame **without base plate** with 6-way **earth connection** in lower cabinet

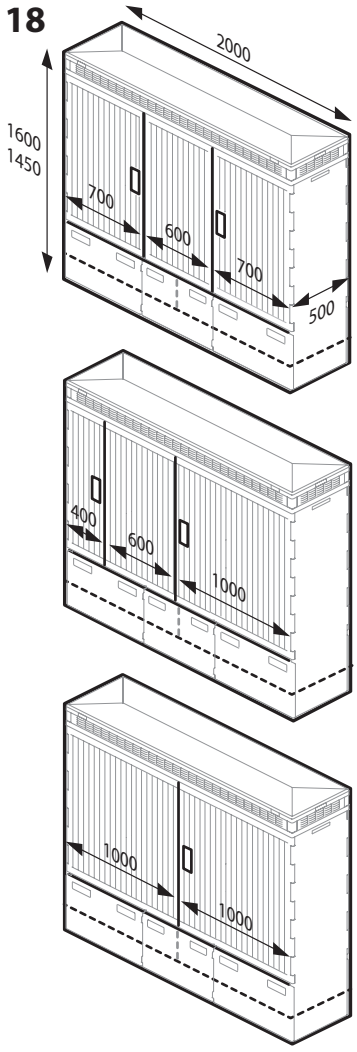
| Cabinet size outer dimensions in mm | Cabinet height 1600 mm inner dimensions in mm | Article number | Cabinet height 1450 mm inner dimensions in mm | Article number |
|---|---|---|---|---|
| **8**   |   | 1-door<br>Closed on the right<br>(on request)<br><br>1-door<br>Closed on the left<br>**70.1010.00.00** | | |
|   |   | 2-door<br>Door 400 mm<br>on the right<br>**70.1008.00.00**<br><br>2-door<br>Door 400 mm<br>on the left<br>**70.1007.00.00** | | |
| **12**   |   | 2-door<br>Closed on the right<br>**70.1410.00.00**<br><br>2-door<br>Closed on the left<br>(on request) |   | 2-door<br>Closed on the right<br>**70.1421.00.00**<br><br>2-door<br>Closed on the left<br>(on request) |
|   |   | 2-door<br>Door 400 mm<br>on the right<br>**70.1501.00.00**<br><br>2-door<br>Door 400 mm<br>on the left<br>**70.1500.00.00** |   | 2-door<br>Door 400 mm<br>on the right<br>**70.1503.00.00**<br><br>2-door<br>Door 400 mm<br>on the left<br>**70.1502.00.00** |

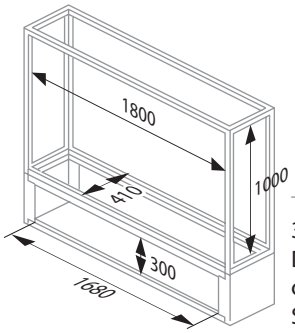
| Cabinet size<br>outer dimensions in mm | Cabinet height 1600 mm<br>inner dimensions in mm | Article number | Cabinet height 1450 mm<br>inner dimensions in mm | Article number |
|---|---|---|---|---|
| **15**<br>  |  | 2-door<br>Door 1000 mm<br>Closed on the right<br>**70.2603.00.00**<br><br>2-door<br>Door 1000 mm on<br>Closed on the left<br>**70.2602.00.00**<br><br>3-door<br>Door 400 mm<br>Closed on the right<br>Slot-in middle door<br>**70.2621.00.00**<br><br>3-door<br>Door 400 mm<br>Closed on the left<br>Slot-in middle door<br>**70.2620.00.00** |  | 2-door<br>Door 1000 mm<br>Closed on the right<br>**70.2601.00.00**<br><br>2-door<br>Door 1000 mm on<br>Closed on the left<br>**70.2600.00.00**<br><br>3-door<br>Door 400 mm<br>Closed on the right<br>Slot-in middle door<br>**70.2623.00.00**<br><br>3-door<br>Door 400 mm<br>Closed on the left<br>Slot-in middle door<br>**70.2622.00.00** |

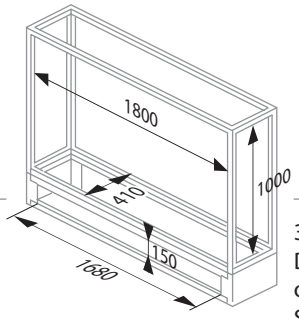
## Equipment of basic cabinet

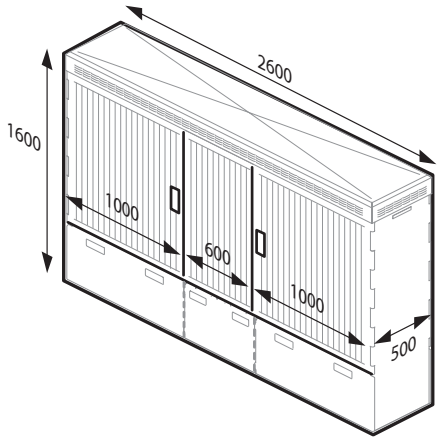
- Cabinet with the **label** SICHERT / [ neutral ]
- Door(s) with **double locking mechanism swivel arm** with emergency key and 1x dummy cylinder, **door stay**, **document pocket(s)** A4
- Profile frame **without base plate** with 6-way **earth connection** in lower cabinet

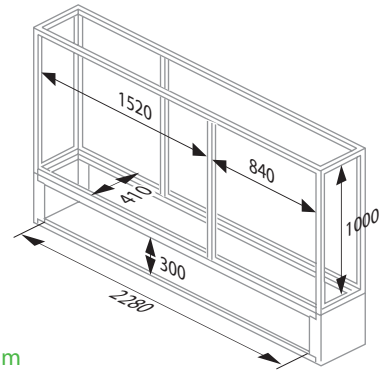
| Cabinet size outer dimensions in mm | Cabinet height 1600 mm inner dimensions in mm | Article number | Cabinet height 1450 mm inner dimensions in mm | Article number |
|---|---|---|---|---|
| **18** | | 3-door (Standard)<br>Slot-in middle door<br>**70.2100.00.00** | | 3-door (Standard)<br>Slot-in middle door<br>(on request) |
| | | 3-door<br>Door 400 mm<br>on the right<br>Slot-in middle door<br>3 flaps<br>**70.2211.00.00**<br>2 flaps<br>**70.2213.00.00** | | 3-door<br>Door 400 mm<br>on the right<br>Slot-in middle door<br>2 flaps<br>**70.2215.00.00** |
| | | 3-door<br>Door 400 mm<br>on the left<br>Slot-in middle door<br>3 flaps<br>**70.2210.00.00**<br>2 flaps<br>**70.2212.00.00** | | 3-door<br>Door 400 mm<br>on the left<br>Slot-in middle door<br>2 flaps<br>**70.2214.00.00** |
| | | 2-door<br>Closed on the right<br>**70.2101.00.00** | | 2-door<br>Closed on the right<br>(on request) |
| **24** | | 2-door<br>Closed on the left<br>(on request) | | 2-door<br>Closed on the left<br>(on request) |
| | | 3-door (Standard)<br>Slot-in middle door<br>**70.3002.00.00** | | |



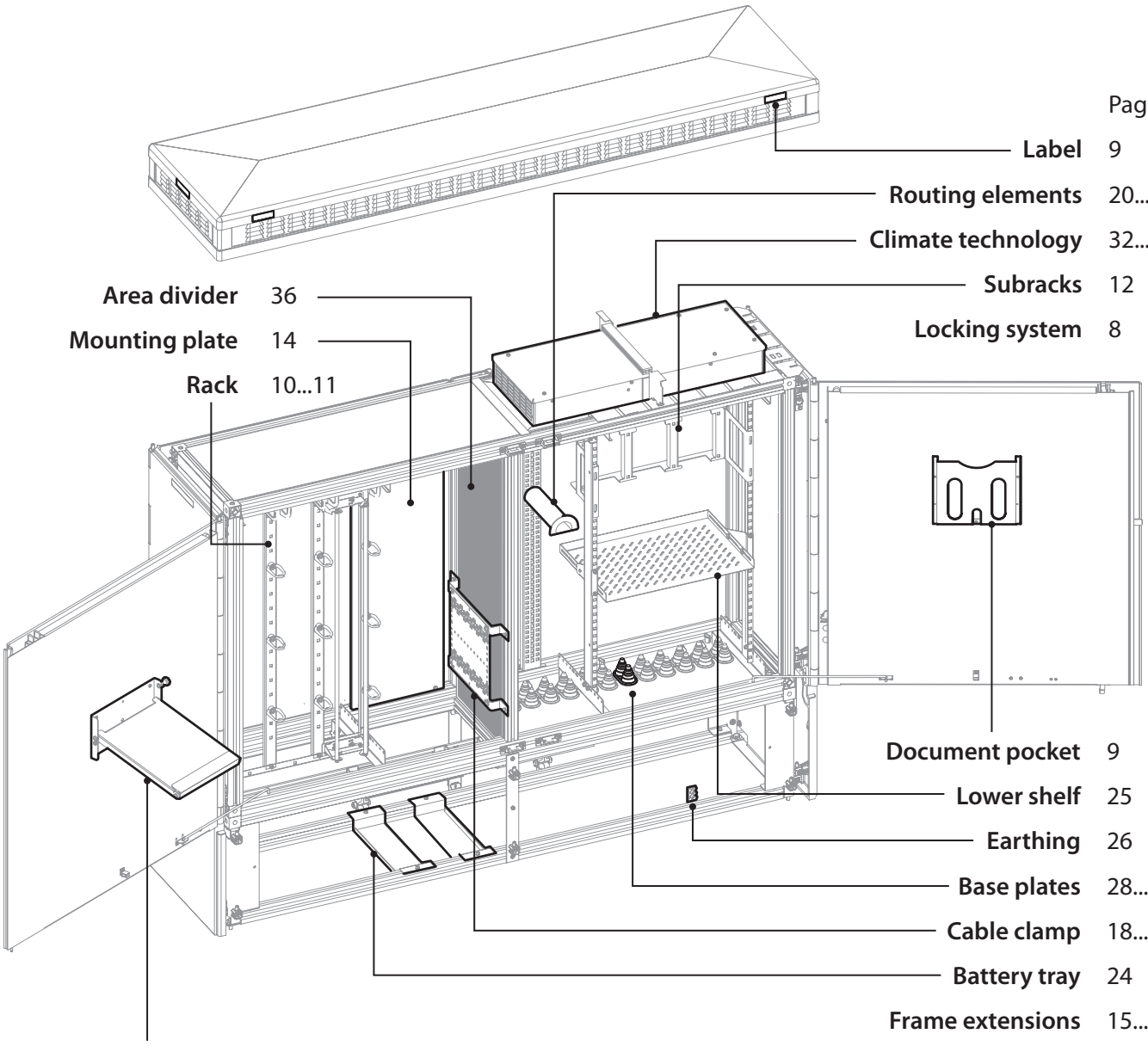



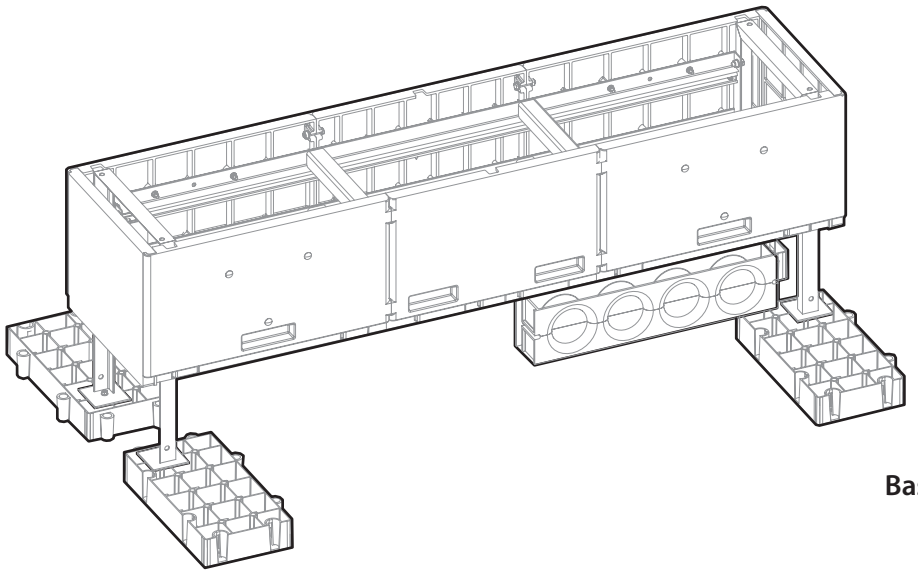




i Roof SiCab 24 made of aluminium

## Overview of equipment




| | Page |
|---|---|
| Label | 9 |
| Routing elements | 20...23 |
| Climate technology | 32...34 |
| Subracks | 12 |
| Locking system | 8 |
| Area divider | 36 |
| Mounting plate | 14 |
| Rack | 10...11 |
| Document pocket | 9 |
| Lower shelf | 25 |
| Earthing | 26 |
| Base plates | 28...31 |
| Cable clamp | 18...19 |
| Battery tray | 24 |
| Frame extensions | 15...17 |
| Notebook holder | 25 |
| Miscellaneous, accessories | 36...40 |


| | |
|---|---|
| Base and accessories | 38 - 39 |

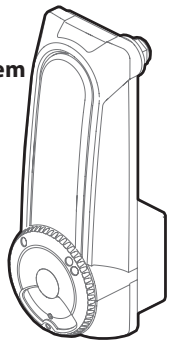
## Locking systems

DIN 18252 | IP65 | GDZn PA6

- Double or single locking mechanism swivel arm lock
- Mounting profile half cylinders according to DIN 18252
- **Optional coating in special colour**

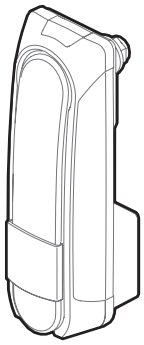
**Swivel arm**
**Double locking system**
**Metal**

A
Standard



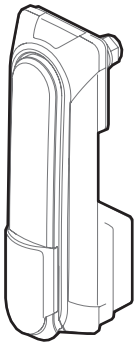
**Swivel arm**
**Single locking system**
**Metal**

B C D



**Swivel arm**
**Single locking system**
**Plastic**

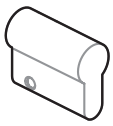
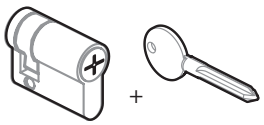
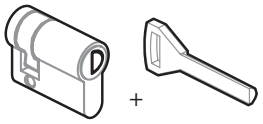
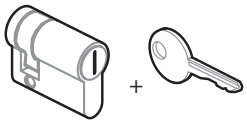
E



| Type of locking system | Material | RC2 | For cylinder length in mm | RAL 7038 | Special features | Article number | |
|---|---|---|---|---|---|---|---|
| A Double locking | GDZn (Zamak) | • | 40 or 45 | Powder-coated | Standard | **59.1802.05.00** | |
| | | | | | | **59.1802.05.00E1** | Spare part |
| B | | | 40 | | | **59.1802.11.00** | |
| C Single locking | GDZn (Zamak) | • | KABA 1514 | | KABA half cylinder | **59.1802.16.00** | |
| D | | | 40 | | Electro-mechanical | **59.1802.14.00** | |
| E Single locking | PA6 GF30 | – | 40 | Uncoated | Standard | **59.1802.02.00** | |

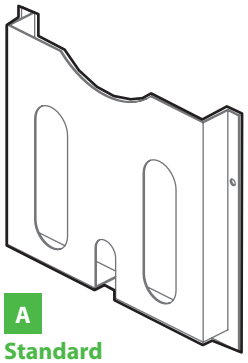
Other versions upon request

## Locks and keys

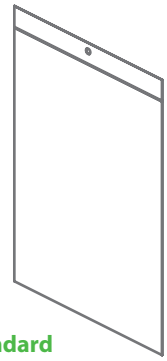
| For swivel arm | Profile half cylinder 40 mm | | Number of keys | Article number | |
|---|---|---|---|---|---|
| A D | Dummy cylinder |  | – | **59.0531.02.05** | |
| A B D E | Q15 / Q19 |  | 1x | **59.0531.02.29** | Q15 |
| | | | 1x | **59.0531.02.23** | Q19 |
| | SICHERT |  | 1x | **59.0531.02.24** | |
| | | | 2x | **59.0531.02.02** | |
| | Temporary locking |  | 1x | **59.0531.02.42** | |
| A D | (cylinder not installed) | Emergency key | 1x | **59.0531.02.19** | |
| | | | 10x | **59.0531.02.19E1** | |

Other versions upon request

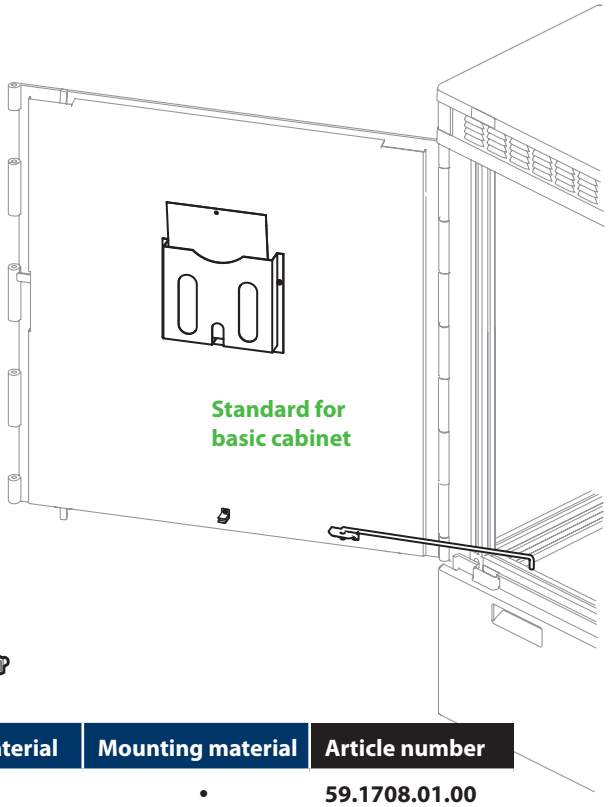
## Door stay and document pocket



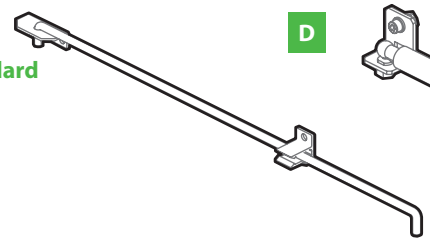
A
Standard



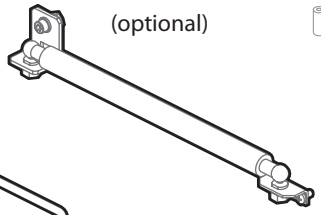
B
Standard



Standard for
basic cabinet



C
Standard



D (optional)

| Part | | W x H x D in mm | Material | Mounting material | Article number |
|---|---|---|---|---|---|
| A | Document holder DIN A4 (upright) | 264 x 240 x 32 | PS | • | **59.1708.01.00** |
| B | Pocket DIN A4 (upright), transparent | 217 x 330 x 1 | PVC, soft | – | **70.0800.60.09** |
| C | Door stay for door opening angle >150° | | Steel Fe/Zn | – | **70.2500.60.02** |
| D | Gas pressure spring with door opening angle >90° | | | • | **70.0925.03.00** |

## Labelling surfaces

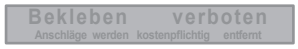
RAL 7038 | PC GF5

Standard

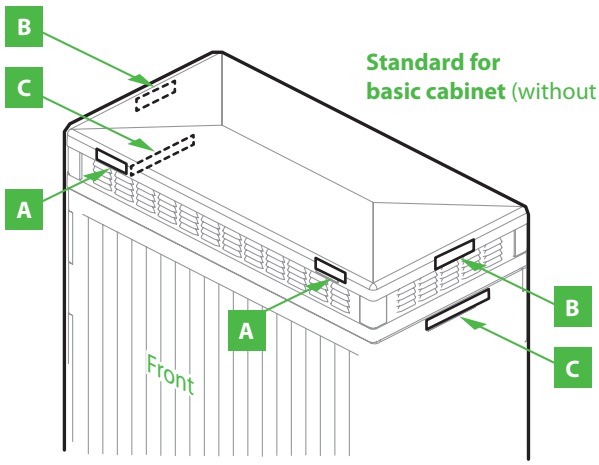
A 69 x 21 mm

B

92 x 21 mm

C 

155 x 21 mm




Standard for
**basic cabinet** (without SiCab 15)

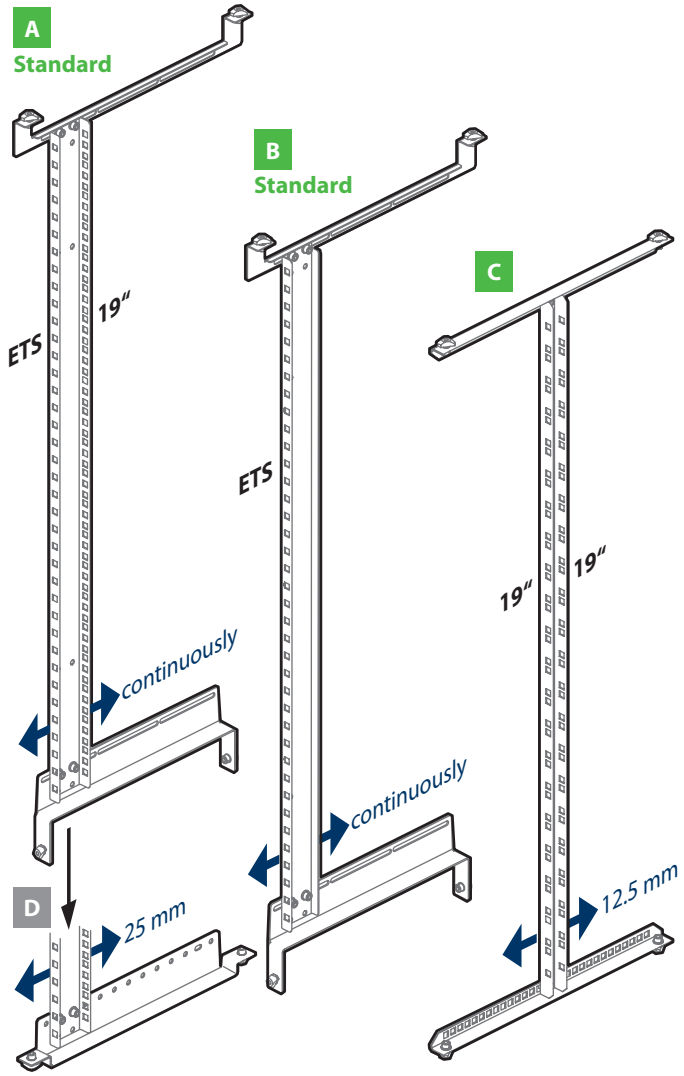
| Label | | Article number |
|---|---|---|
| A | SiCab | **70.0800.21.05L** |
| | [ neutral ] | **59.0712.13.07L** |
| B | SICHERT | **59.0712.13.04L** |
| | [ neutral ] | **59.0712.13.09L** |
| C | Bekleben verboten | **59.0712.13.15L** |
| | [ neutral ] | **59.0712.13.39** |

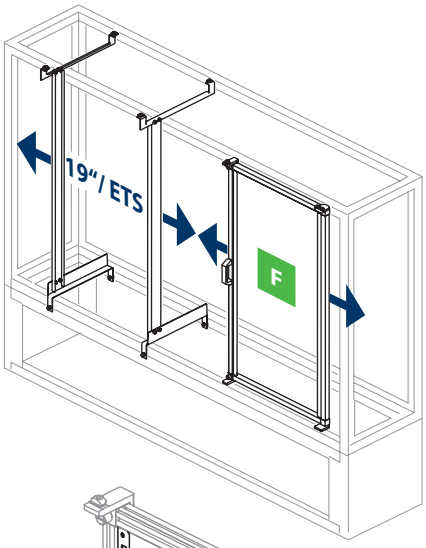
Customized labeling upon request

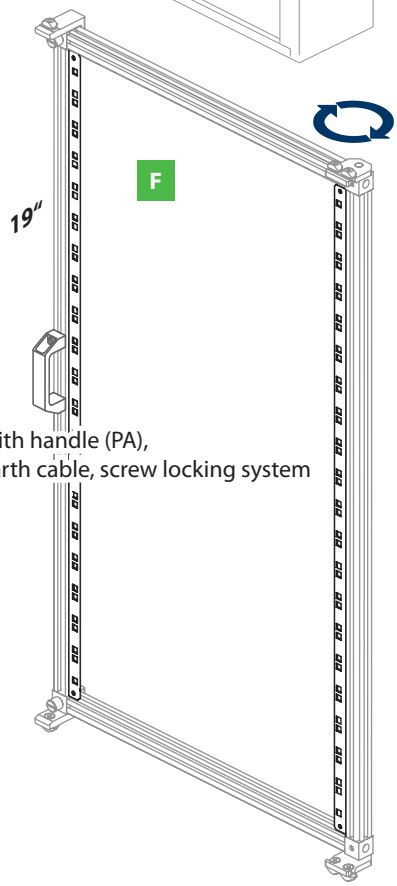
## 19“ / ETS rack

Stainless Steel | 19“ ETS | 8.3 x 8.3 □

- Depth adjustable and can be moved sideways
- **Complete with mounting material for profile frame**




With handle (PA),
earth cable, screw locking system

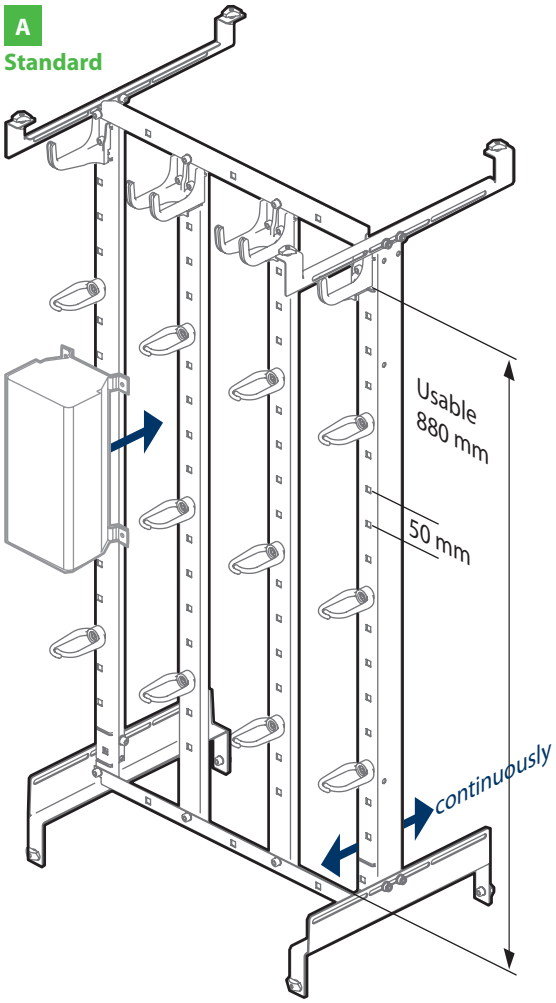
| Type | | Hole grid in mm 19“ / ETS | Installation width in mm 19“ / ETS | Usable height U / SU | Article number | |
|---|---|---|---|---|---|---|
| A | 19“ / ETS | 44.45 / 25 | 506 / 556 | 21 / 38 | **70.1891.78.00** | |
| | | | | | **70.1891.78.00E1** | Retrofit kit |
| | | | | Additional layer | **70.0081.43.10** | |
| B | ETS | – / 25 | – / 556 | – / 38 | **70.1420.70.00** | |
| | | | | | **70.1891.77.00E1** | Retrofit kit |
| C | 19“ two-sided | 44.45 / – | 505 / – | 20 / – | **70.0889.70.00** | |
| D | 19“ / ETS | 44.45 / 25 | 536 / 586 | 24 / 41 | **70.2520.70.00** | |
| E | 19“ / ETS | 44.45 / 25 | 505 / 555 | 21 / 38 | **70.0081.43.00E1** | Retrofit kit for SiCab old |
| F | Swivel rack 19“ | 44.45 / – | 540 / – | 20 / – | **70.0080.57.00** | |
| | Swivel rack ETS | – / 25 | – / 590 | – / 36 | **70.0080.56.00** | |

## Rack for cable heads

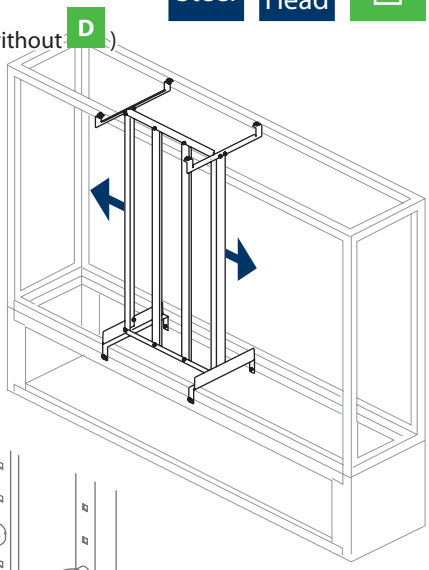
Stainless Steel | Cable Head | 8.3 x 8.3 □

- Depth adjustable and can be moved sideways
- **With wire guide made of plastic (PA6) and mounting material for profile frame** (without [illegible])

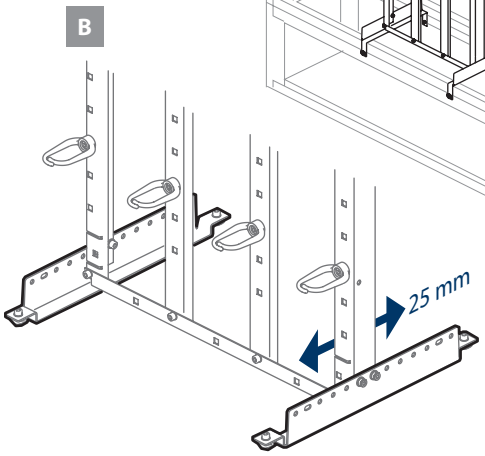
**A**
**Standard**

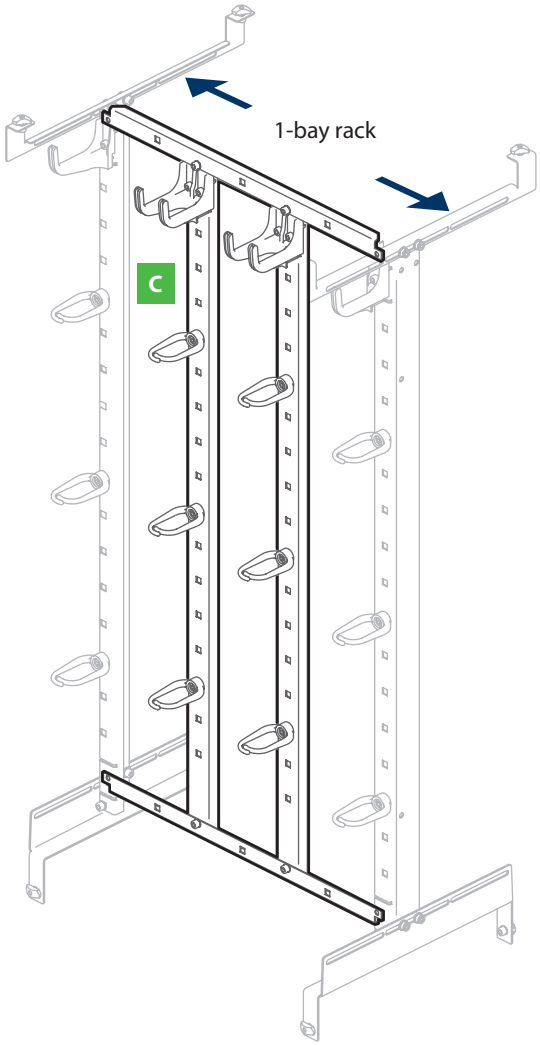



**D**



**B**



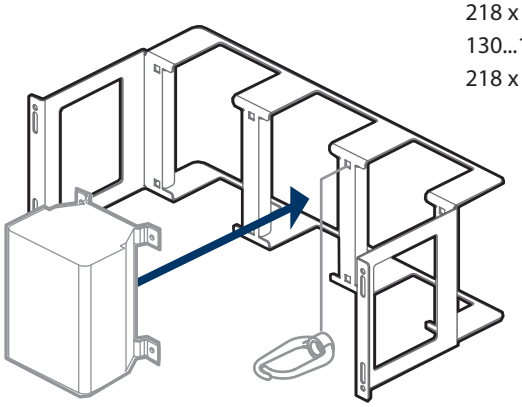

| Number of bays (width in mm) | | Installation width in mm | Article number | |
|---|---|---|---|---|
| A | 1 (variable) | 193 | **70.1891.75.00** | |
| | | | **70.1891.75.00E1** | Retrofit kit |
| | 2 (120) | 351 | **70.1891.76.00** | |
| | | | **70.1891.76.00E1** | Retrofit kit |
| | 3 (120) | 509 | **70.1891.71.00** | |
| | | | **70.1891.71.00E1** | Retrofit kit |
| | 4 (120) | 664 | **70.1880.78.00** | |
| | | | **70.1880.78.00E1** | Retrofit kit |
| B | 1 (variable) | 193 | **70.0081.44.00E1** | Retrofit kit for SiCab old |
| | 2 (120) | 351 | **70.0081.45.00E1** | |
| | 3 (120) | 509 | **70.0081.46.00E1** | |
| C | 2 (120) | | **70.1880.74.00E1** | Retrofit kit for 1-bay rack |
| | 3 (120) | | **70.1880.73.00E1** | |

## Subrack for cable heads in 19“ or ETS rack

Stainless Steel | 8.3 x 8.3

■ **With mounting material**

| Mounting in rack | Number of bays (width in mm) | Depth x height in mm | Installation height | Wire guide rings (max.) | Article number |
|---|---|---|---|---|---|
| 19“ | | 160 x 178 | 4 HE | • 6x (6x) | **70.0081.74.00** |
| | 2 (120) | 160 x 266 | 6 HE | • 6x (6x) | **70.0081.75.00** |
| | | 160 x 355 | 8 HE | • 6x (6x) | **70.0081.76.00** |
| ETS | 3 (120) | 218 x 100 | 3 SU | – (8x) | **70.0081.73.00** |
| | | 218 x 175 | 7 SU | – (8x) | **70.0080.74.00** |
| | | 218 x 250 | 10 SU | – (8x) | **70.0080.75.00** |
| | | 130...170 x 300 | 12 SU | • 4x (8x) | **70.0080.96.00** |
| | | 218 x 350 | 14 SU | – (8x) | **70.0080.76.00** |

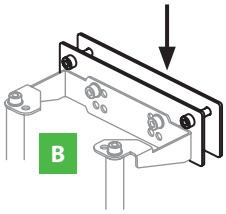


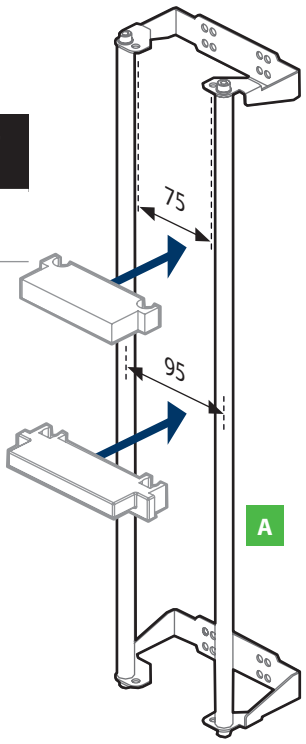
## Profile rod module for LSA strips

Stainless Steel

■ **With mounting material**

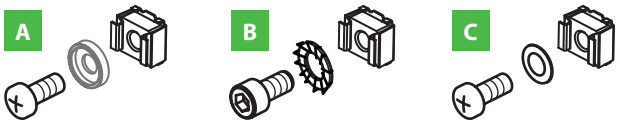
| Mounting on | Special features | Usable height in mm | Article number |
|---|---|---|---|
| A Profilrahmen | 2 modules pre-assembled on mounting plate 70.0080.89.00 | 950 | **70.1352.70.00** |
| B Cable head bay (120 mm) | **With adapter** | 861 | **70.0081.04.00** |



## Mounting set with cage nut

8.3 x 8.3 □ | Stainless Steel | PA6 GF30

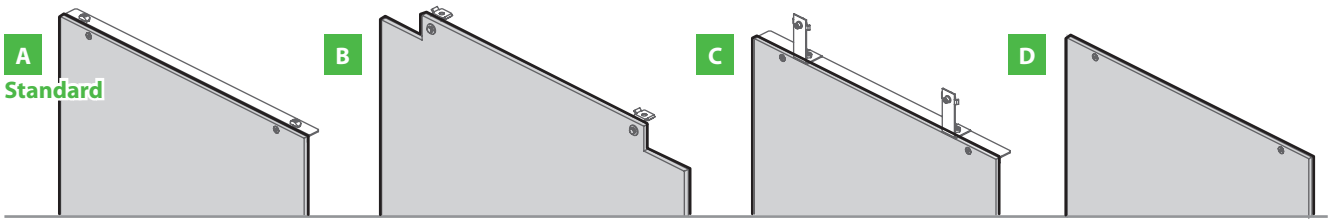


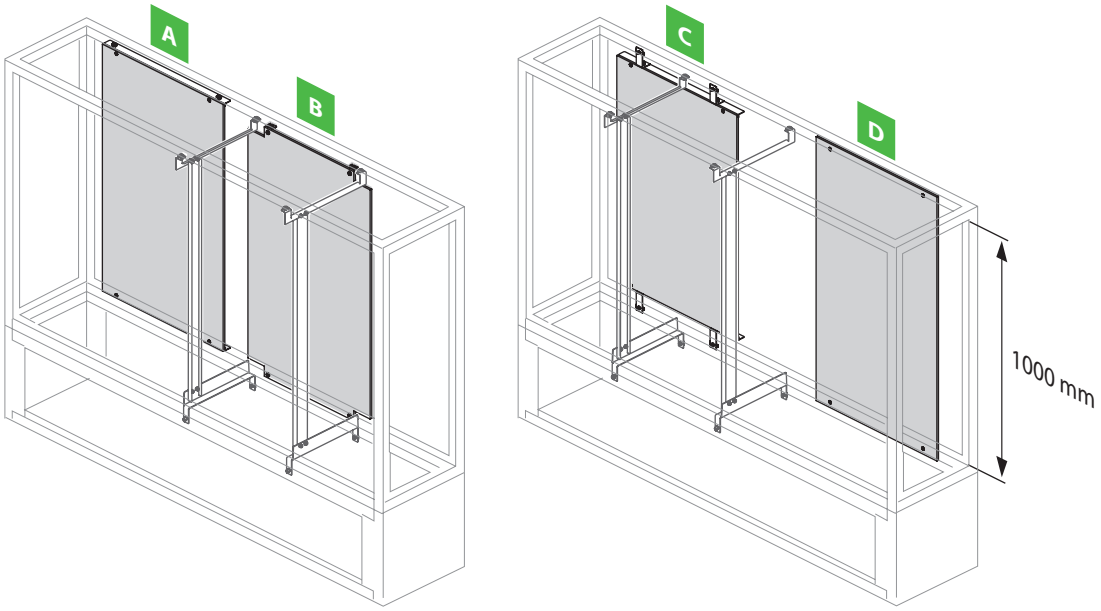

| Type | Mounting on | Piece | Article number | |
|---|---|---|---|---|
| A Mounting set | Rack □ 8.3 x 8.3 mm (M6) | 50 | **70.0080.22.00** | e.g. for 19“ / ETS module |
| B | | 50 | **70.0080.24.00** | e.g. for grid bracket |
| C | | 4 | **70.0081.05.00** | e.g. for mounting frame |

## Mounting plate

Plastic | Galvanized Steel

- Mounting on profile frame
- Can be freely positioned within the width of the cabinet
- Distance from mounting plate to door: approx. 370 mm
- **With mounting material**



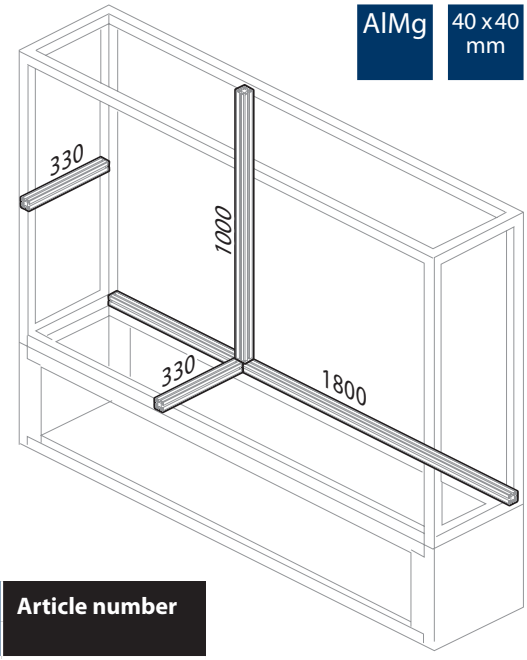

| Type | | W x H (plate) in mm | Thickness in mm | Material | Article number | |
|---|---|---|---|---|---|---|
| A | Plastic | 798 x 1000 | | | **70.0080.87.00** | |
| | | 598 x 1000 | | | **70.0080.42.00** | |
| | | 500 x 1000 | 8 | Rigid PVC, grey | **70.1444.70.00** | 2x SiCab 12 with area divider |
| | | 400 x 1000 | | | **70.0886.11.00** | |
| | | 300 x 1000 | | | **70.0080.89.00** | |
| | Metal | 798 x 1000 | | | **70.0081.35.00** | |
| | | 598 x 1000 | 2 | Galvanized steel | **70.0080.41.00** | |
| | | 298 x 1000 | | | **70.1985.70.00** | |
| B | With openings 80 x 55 mm | 598 x 1000 | 8 | Rigid PVC, grey | **70.0080.84.00** | |
| C | For 3x SiCab 18 or 2x SiCab 12 | 598 x 890 | 8 | Rigid PVC, grey | **70.1280.11.00** | |
| | | | 2 | Galvanized steel | **70.0081.61.00** | |
| D | Directly attached on the profile | 150 x 1070 | 8 | Rigid PVC, grey | **70.2060.11.00** | |

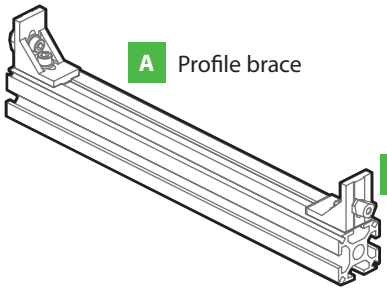
Other sizes upon request

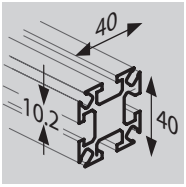
## Profile brace 40

- Brace as an additional reinforcement or extension of the mounting options
- **Complete with mounting material for profile frame**

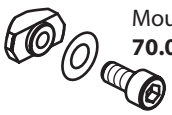
AlMg 40 x 40 mm



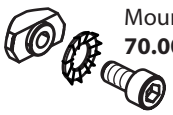




| Type | Length in mm | Standard installation cabinet size | Typical position vertical | Typical position horizontal | Article number | |
|---|---|---|---|---|---|---|
| A Profile brace with 2x bracket complete | 1000 | All | • | | **70.0800.17.00** | |
| | | | | | **70.0800.17.00E1** | Retrofit kit |
| | 330 | All | | • | **70.0800.19.00** | |
| | | | | | **70.0800.19.00E1** | Retrofit kit |
| | | | (with seals for the base plate) | | **70.1804.94.00** | |
| | | | | | **70.1804.94.00E1** | Retrofit kit |
| | 800 | 8 | | • | **70.0800.18.00** | |
| | 1200 | 12 | | • | **70.1200.12.00** | |
| | | | | | **70.1200.12.00E1** | Retrofit kit |
| | 1500 | 15 | | • | **70.2500.32.00** | |
| | 1800 | 18 | | • | **70.1800.13.00** | |
| | | | | | **70.1800.13.00E1** | Retrofit kit |
| | | | | | **70.1800.16.00** | (various lengths) |
| + 1x bracket complete with mounting material for profile brace 40 | | | | | **70.0801.19.00** | |



Mounting set (M6x12)
**70.0080.38.00**
(4 piece)



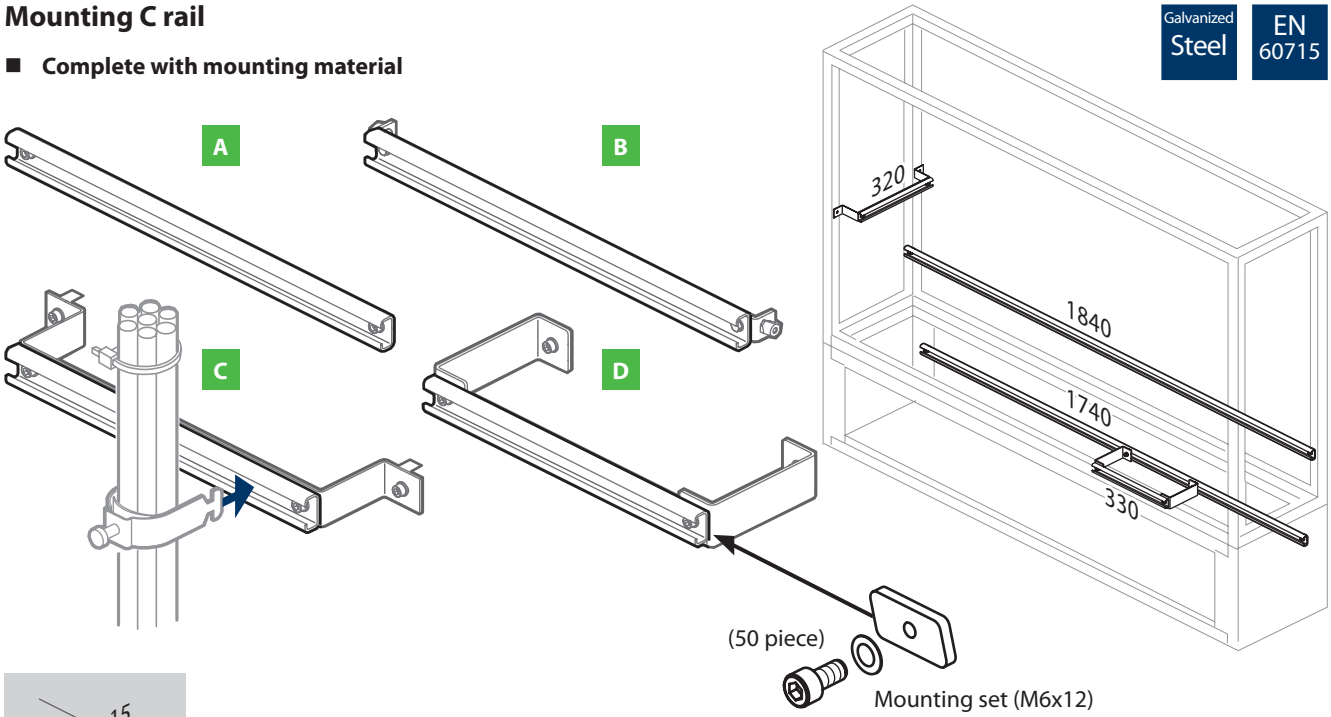
Mounting set (M6x12)
**70.0080.49.00**
(50 piece)

Other lengths upon request

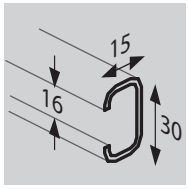
## Mounting C rail

Galvanized Steel | EN 60715

■ **Complete with mounting material**




Mounting set (M6x12)
**50.0002.23.00**



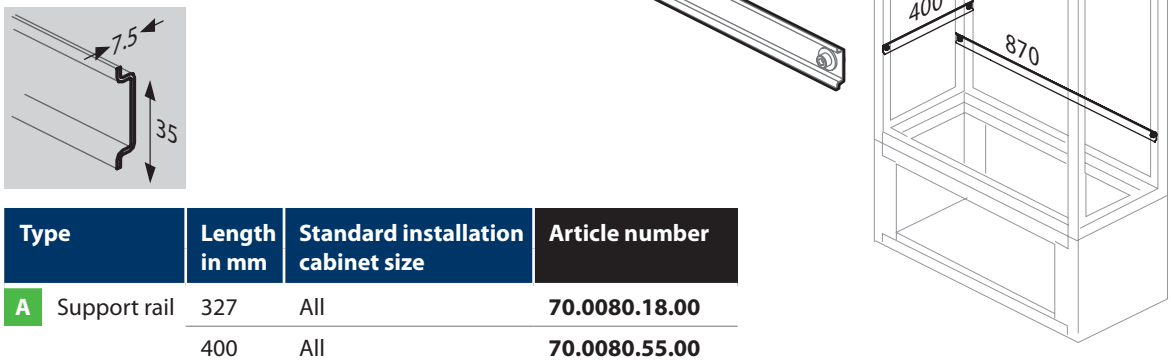

| Type | Length in mm | Special features | Mounting on | Article number | |
|---|---|---|---|---|---|
| A Directly attached on the profile 40 | 330 | | Profile brace 40 | **70.0081.63.00** | |
| | 870 | Complete cabinet width SiCab 8 | | **70.0080.43.00** | |
| | 1270 | Complete cabinet width SiCab 12 | | **70.0120.43.00** | |
| | 1870 | Complete cabinet width SiCab 18 | | **70.0180.43.00** | |
| B For mounting between profiles 40 | 786 | Complete cabinet width SiCab 8 | | **70.0874.81.00** | |
| | 985 | Complete cabinet height SiCab | | **70.0842.70.00** | |
| C With spacer for mounting on side profile 40 | 400 | With spacer 45 mm | | **70.0859.11.00** | |
| | | With spacer 70 mm | | **70.1253.11.00** | |
| D With spacer for mounting on C rail or profile 40 | 330 | With spacer 103 mm | Profile brace 40 | **70.2500.12.00** | |
| | 330 | With spacer 103 mm | C rail | **70.1882.11.00** | |
| | | 2x 70.1882.11.00 | | **70.1400.13.00E1** | Retrofit kit |
| | | 2x 70.1882.11.00 with C rail 1740 mm for bottom part SiCab 18 | Lower side parts of SiCab 18 | **70.1882.12.00** | |
| | | | | **70.1882.12.00E1** | Retrofit kit |

Other lengths upon request

## Support rail

TS35 | Galvanized Steel | EN 50022

■ **Complete with mounting material for profile frame** (without 19“ version)



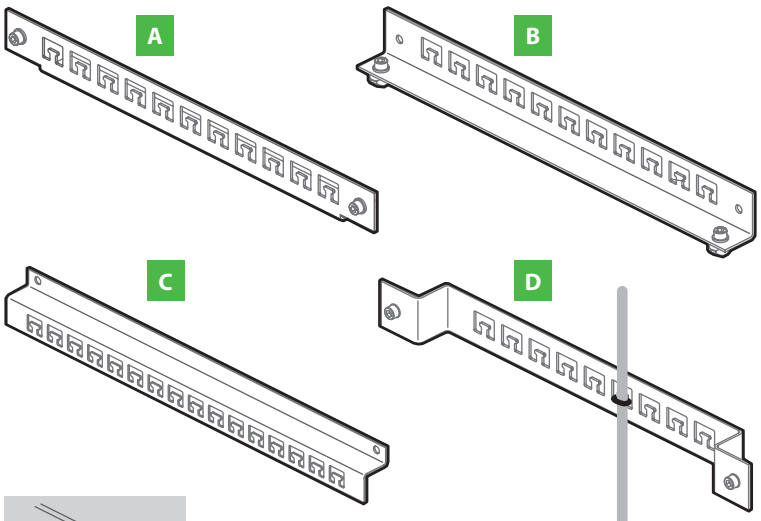

| Type | Length in mm | Standard installation cabinet size | Article number | |
|---|---|---|---|---|
| A Support rail | 327 | All | **70.0080.18.00** | |
| | 400 | All | **70.0080.55.00** | |
| | 870 | 8 | **70.0080.58.00** | |
| | 481 | 19“ rack | **54.4110.01.01** | Without mounting set |

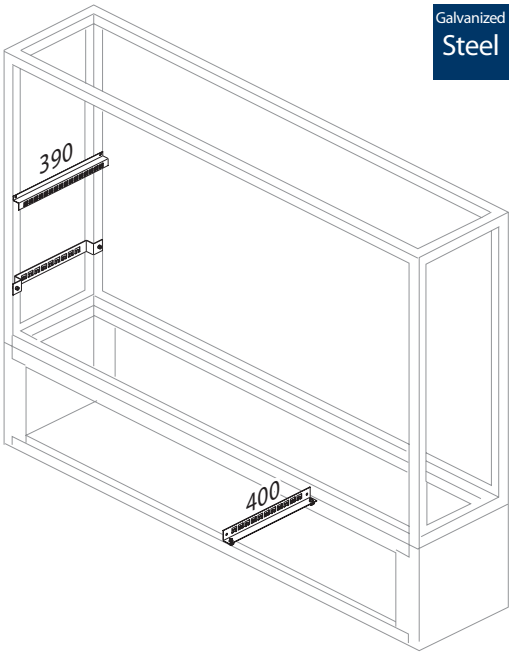
Other versions upon request

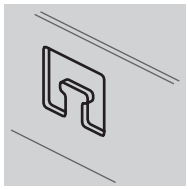
## **Cable clamp rail** (T structures)

Galvanized Steel

- **Complete with mounting material**



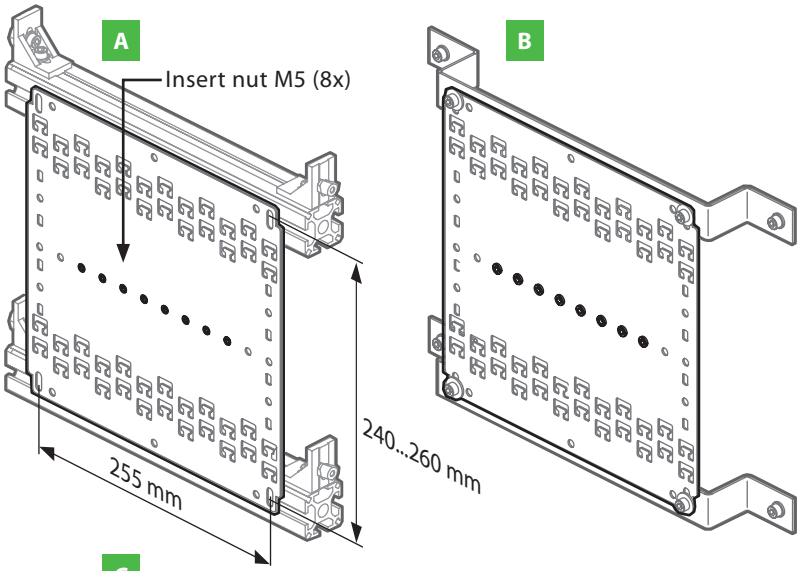



| Type | | Number of clamps (max.) | Grid intervals in mm | W x D x H in mm | Mounting on | Article number | |
|---|---|---|---|---|---|---|---|
| A | Cable clamp rail with T structures | 11 | 30 | 400 x 32 x 40 | Profile brace 40 | **70.0080.77.00** | |
| B | | 11 | 30 | 400 x 32 x 40 | | **70.0080.78.00** | |
| C | | 15 | 22 | 390 x 25 x 40 | | **70.0856.70.00** | |
| D | | 9 | 30 | 400 x 35 x 40 | | **70.2025.04.00** | Offset 30 mm |

## **Cable clamp plate** (T structures)

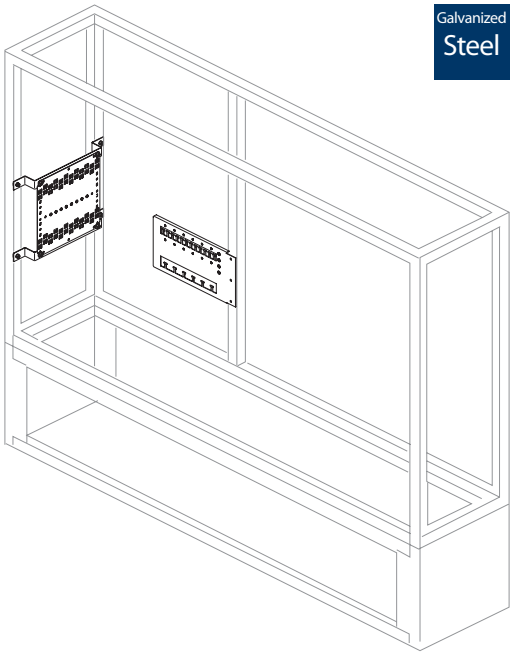
Galvanized Steel

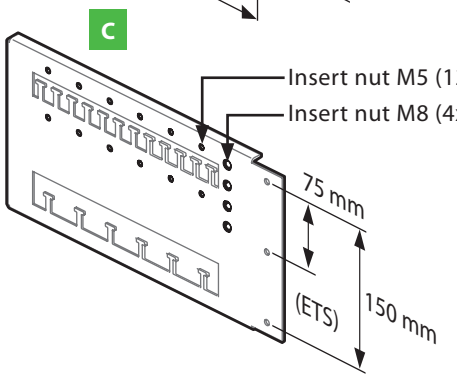
- **Complete with mounting material**

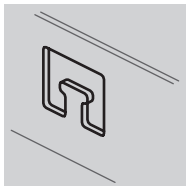








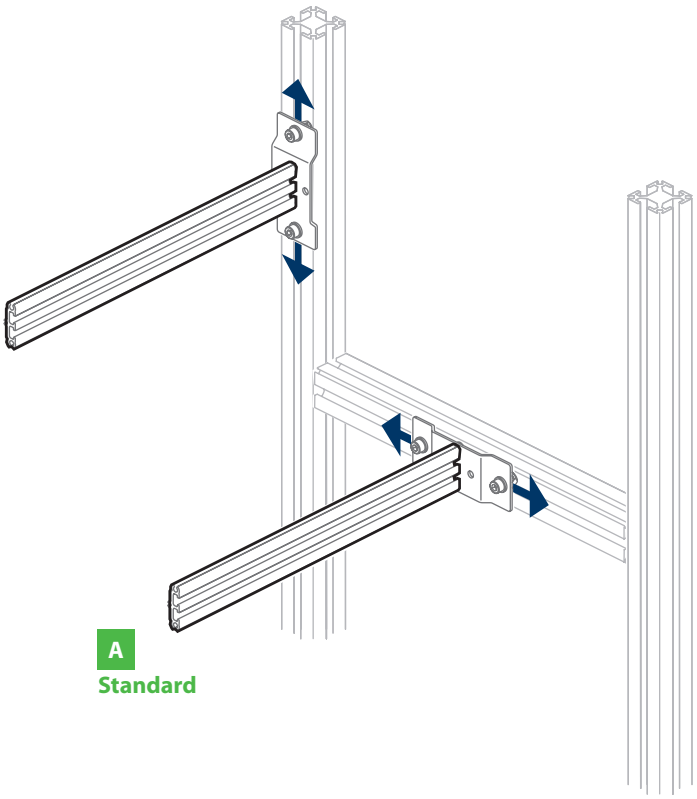


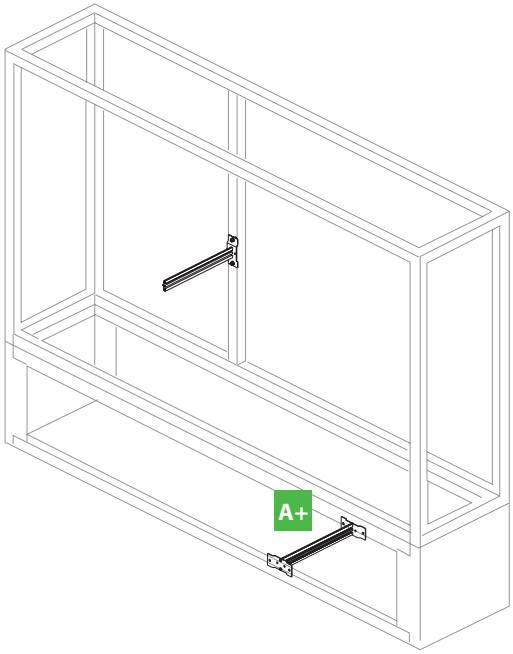
| Type of cable clamp plate | | W x D x H in mm | Mounting on | Article number | |
|---|---|---|---|---|---|
| A | With profile braces 40 | 278 x 1.5 x 273 | Profile brace 40 | **70.0081.78.00** | Standard |
| B | With spacer **+/- 45 mm** | 400 x 45 x 290 | | **70.0889.01.00** | |
| | With spacer **+/- 35 mm** | 400 x 35 x 290 | | **70.2025.05.00** | |
| C | Mounting on one side | 360 x 12 x 182 | | **70.2060.12.00** | |

## Clip rail system

- **Complete with mounting material**



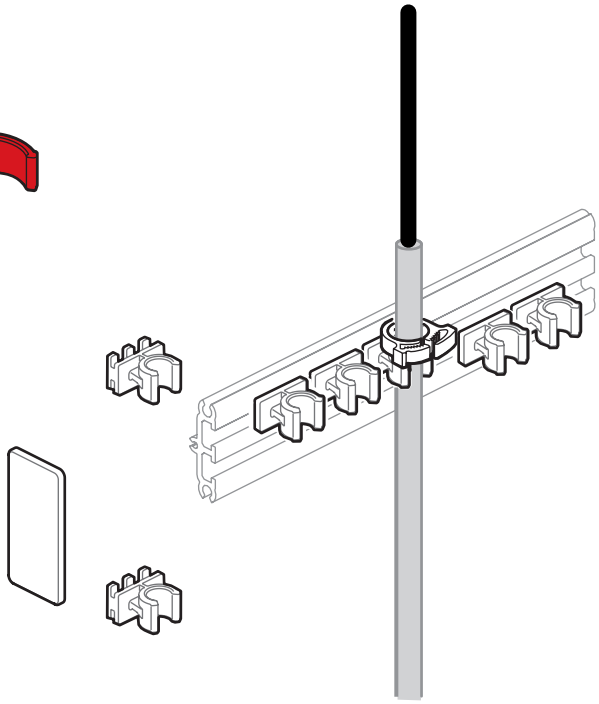
**A**
**Standard**



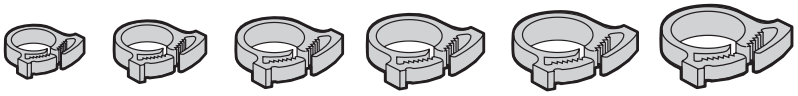

| Type | Max. number of clips | Length of rail | Mounting on | Article number | |
|---|---|---|---|---|---|
| **A** Standard | 18x single-row, 35x double-row up to ø 7 mm | 308 mm | Profile brace 40 | **70.1959.13.00**<br>**70.1959.13.00E1** | Retrofit kit |
| **A+** | 18x single-row, 35x double-row up to ø 7 mm | 313 mm | Between braces | **70.0081.84.00** | |

## Kit with clips

| Clip for ø in mm | Colour | Piece | Article number |
|---|---|---|---|
| 5 | Black | 50 | **70.1959.17.00** |
| 7 | Blue | 50 | **70.1959.14.00** |
| 10 | Grey | 50 | **70.1959.15.00** |
| 12...14 | Yellow | 50 | **70.1959.16.00** |
| 16 | Green | 50 | **70.1959.20.00** |
| 20 | Red | 50 | **70.1959.22.00** |



## Kit with strain relief elements

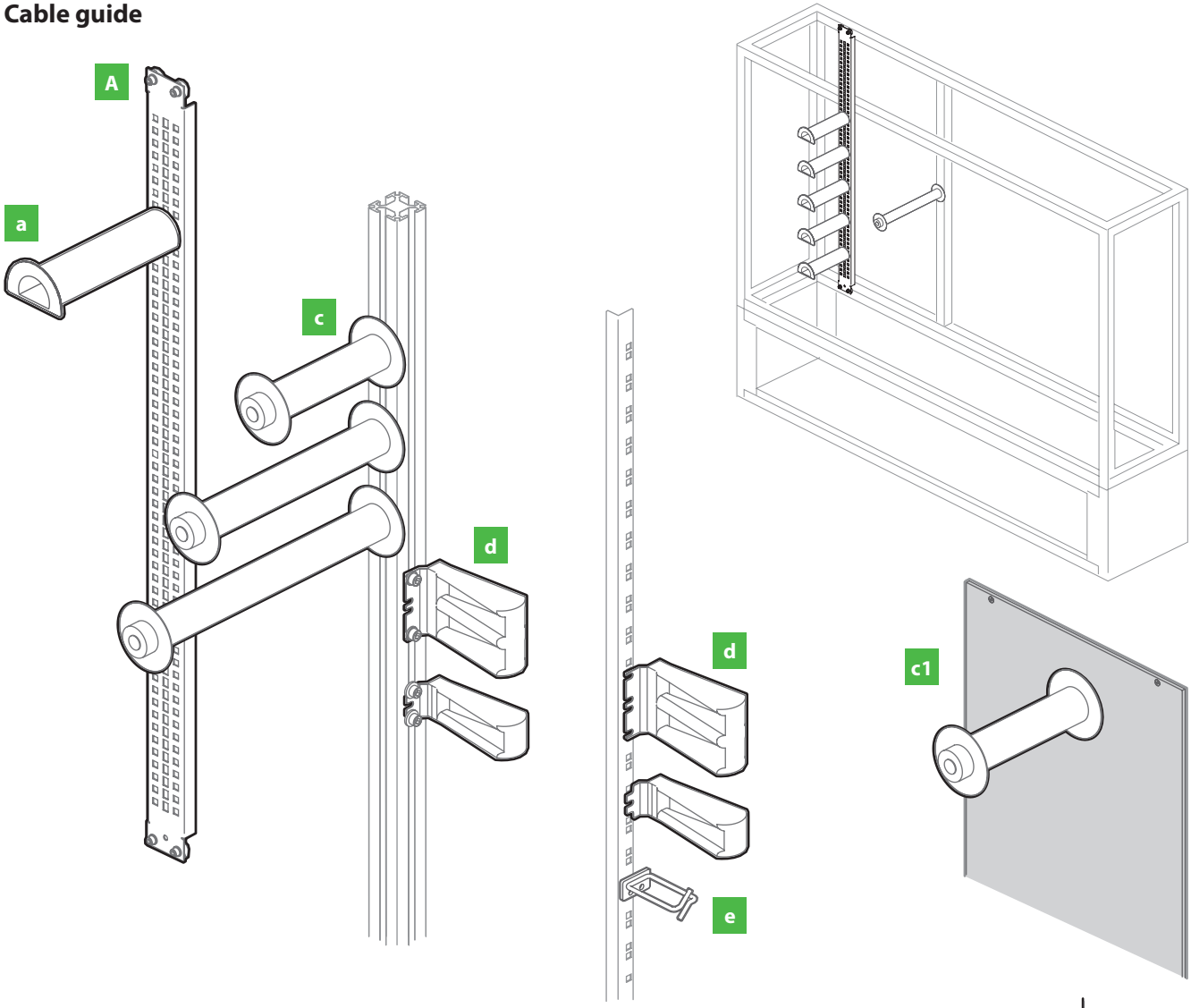


| Snapper for ø in mm | Tensile strength with clip in N | Piece | Article number |
|---|---|---|---|
| 7 | > 70 | 50 | **59.2380.20.00** |
| 10 | > 100 | 50 | **59.2380.22.00** |
| 12 | > 120 | 50 | **59.2380.21.00** |
| 14 | > 140 | 50 | **59.2380.23.00** |
| 16 | > 160 | 50 | **59.2380.24.00** |
| 20 | | 50 | **59.2380.25.00** |

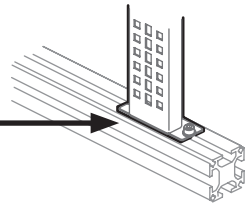
## Kit with end plates

| End plate | Piece | Article number |
|---|---|---|
| Kit end plate | 10 | **70.1959.18.00** |

## Cable guide




| Type | | Mounting on | Mounting material | Article number |
|---|---|---|---|---|
| A | Spindle mounting rail A | Profile brace 40 | • | **70.1253.12.00**<br>**70.1965.10.00** |

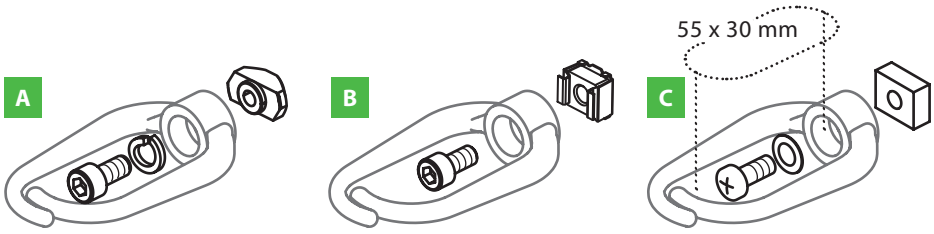


| Type | | R in mm | Usable in mm | Mounting on | Mounting material | Article number |
|---|---|---|---|---|---|---|
| a | Spindle A | 30 | Length 217 | Spindle mounting rail A | • | **54.6200.16.00** |
| c | SICHERT spindle for profile brace | 20 | Length 320 | Profile brace 40 | • | **70.0080.97.00** |
| | | | Length 260 | | | **70.0080.98.00** |
| | | | Length 170 | | | **70.0080.99.00** |
| c1 | SICHERT spindle for mounting plate | | Length 320 | Mounting plate with thickness 1...10 mm | • | **50.0111.30.00** |
| | | | Length 260 | | | **50.0111.20.00** |
| | | | Length 170 | | | **50.0111.10.00** |
| d | Fibre guiding element 2 U | 7 | 120 x 54 | 19" rack (standard) | – | **54.6212.10.04** |
| | | | | Profile brace 40 | • | **70.2518.11.00** |
| | Fibre guiding element 1 U | 7 | 120 x 27 | 19" rack (standard) | – | **54.6212.10.09** |
| | | | | Profile brace 40 | • | **70.2518.12.00** |
| e | Wire guide ring (galvanized steel) | 2 | 60 x 29 | Profile brace 40 or rack | – | **54.4218.05.01** |

## Wire guide ring

RAL 7038 | 200 DA | PA6 GF30

■ **With mounting material**



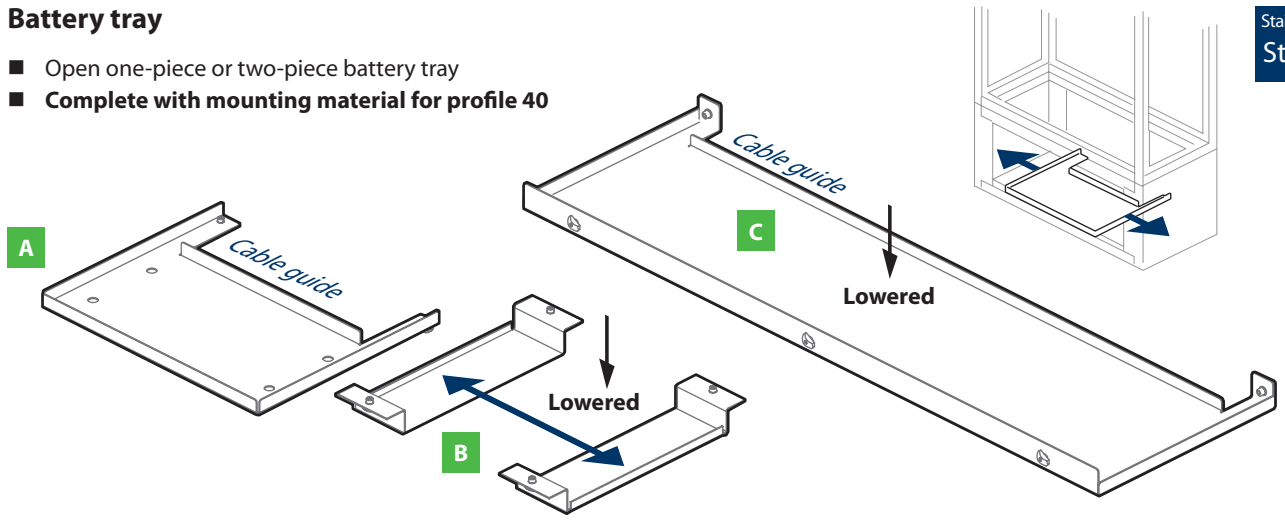

| Type | Mounting on | Piece | Article number |
|---|---|---|---|
| A Wire guide ring made of plastic | Profile 40 (M6) | 1 | **70.0080.44.00** |
| | | 50 | **70.0080.62.00** |
| B | Rack □ 8.3 x 8.3 mm (M6) | 1 | **70.0080.60.00** |
| | | 50 | **70.0080.61.00** |
| C | Standard mounting C rail (M6) | 1 | **59.0631.14.00** |

Other versions upon request

## Battery tray

- Open one-piece or two-piece battery tray
- **Complete with mounting material for profile 40**

Stainless Steel



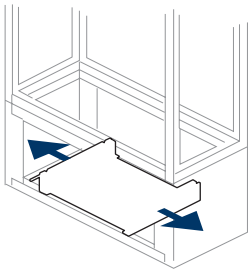

| Type | | Installation width in mm | Placement area W x D in mm | Placement area height (cabinet height) approx. in mm | Cable guide W x D in mm | Article number | |
|---|---|---|---|---|---|---|---|
| A | BG-470 | 480 | 473 x 263 | 290 (1600)<br>140 (1450) | 390 x 90 | **70.0801.13.00** | |
| | BG-320 | 519 | 510 x 321 | | 440 x 30 | **70.0801.11.00** | |
| | BG-570 | 570 | 562 x 392 | | – | **70.1807.19.30** | Entire depth |
| | BG-870 | 870 | 862 x 392 | | – | **70.1807.19.40** | |
| B | MFG08 | >200 | >192 x 324 | 300 (1600)<br>150 (1450) | variable | **70.1881.15.00** | |
| | | | | | | **70.1881.15.00E1** | Retrofit kit |
| C | SiCab 12 | 1080 | 1076 x 261 | | 1000 x 56 | **70.1236.11.00** | Entire width |

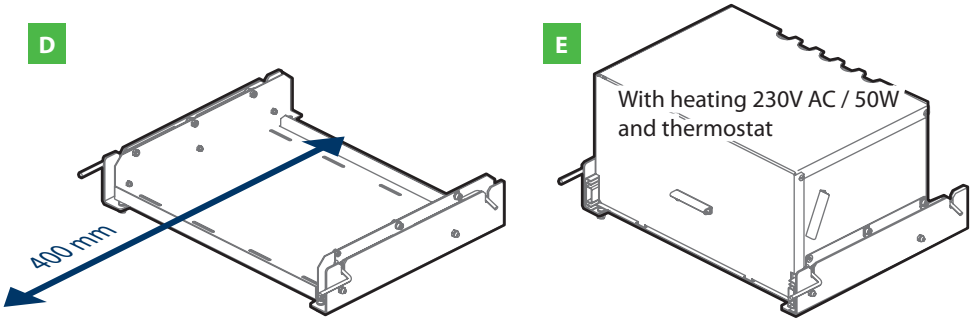
## Battery tray (extendible)

- Lockable rest position and rack pull-out
- Batteries can be fixed with securing straps
- **Complete with mounting material for profile 40**

Stainless Steel

Max. 100kg





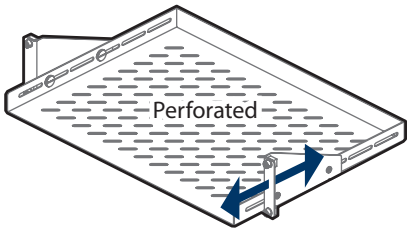

| Type | | Installation width in mm | Placement area W x D in mm | Placement area height (cabinet height) approx. in mm | Cable guide W x D in mm | Article number | |
|---|---|---|---|---|---|---|---|
| D | Open | 550 | 458 x 350 | 270 (1600) / 120 (1450) | 413 x 45 | **70.0853.11.00** | |
| | | | | | | **70.0853.11.00E1** | Retrofit kit |
| E | Closed | 550 | 444 x 304 | 220 (1600) | 3x ø20,5 + 2x ø25,5 | **70.0842.02.00** | |

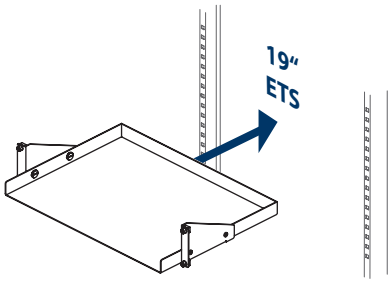
## Equipment tray for 19“ / ETS rack

8.3 x 8.3 □ | Stainless Steel | Max. 25kg

- Continuous depth adjustment
- **Complete with mounting material for rack**

**A**
**Standard**



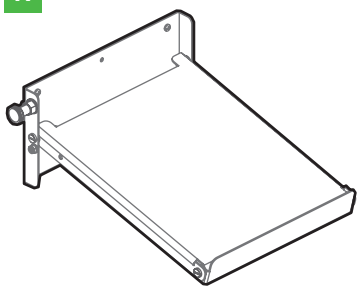

| Type | For rack | Installation height | Placement area W x D in mm | Load capacity in kg | Article number |
|---|---|---|---|---|---|
| A | 19“ | 2 U | 430 x 330 | 25 | **54.4125.01.00** |
| | 19“ | 2 U | 430 x 230 | | **54.4167.02.00** |
| | ETS | 3 SU | 480 x 300 | | **54.4125.02.00** |

## Notebook and device holder

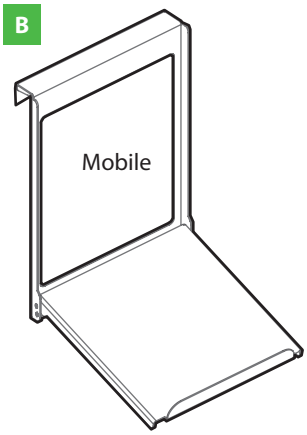
AlMg3 | Max. 10kg

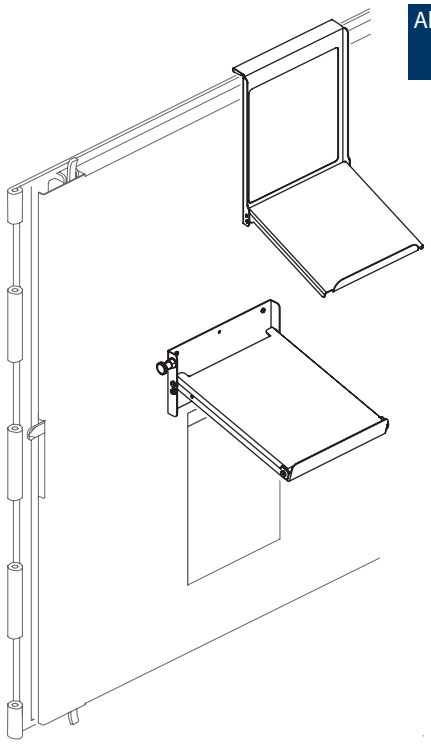
- Folding device holder for mounting on the cabinet door

**A**



**B**



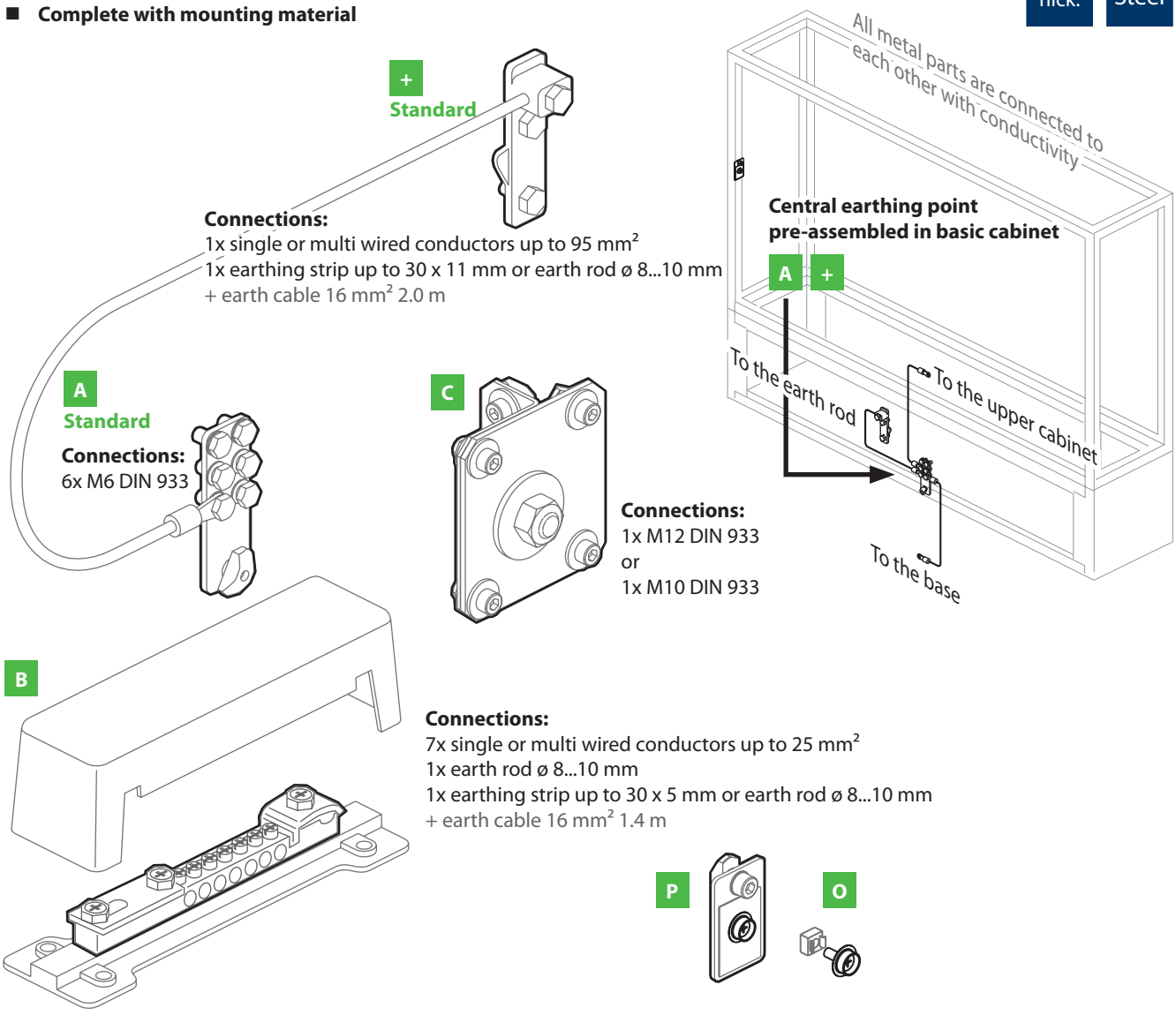



| Type | | Placement area W x D in mm | Load capacity in kg | Article number | |
|---|---|---|---|---|---|
| A | Screwed in | 290 x 330 | 10 | **70.0081.32.00** | |
| | | | | **70.0081.33.00** | Retrofit kit |
| B | Hung on | 300 x 350 | | **70.0081.34.00** | |

## Earth connection

CuZn nick. | Galvanized Steel

■ **Complete with mounting material**




| Type | | Norms | Mounting on | W x H in mm | Material | Article number | |
|---|---|---|---|---|---|---|---|
| A | 6-way earth lug | | Profile brace 40 | 26 x 80 | Galvanized Steel | **70.2500.13.00** | |
| + | MFC retrofit kit | | | | | **70.2500.15.00** | |
| B | Equipotential bonding bar 1809 | Compliance with VDE 0609 | Profile brace 40 | 187 x 48 | Brass nickel-plated, galvanized Steel | **70.1880.22.00** | |
| | | | Rack ☐ 8.3 x 8.3 mm | | | **70.0804.11.00** | |
| | | | Rack ☐ 8.3 x 8.3 mm or profile brace 40 | | | **70.0804.11.00E1** | Retrofit kit |
| C | Earth bolt M12 | Compliance with DIN EN 50164-1, VDE 0185-201, DIN VDE 0618-1 (H) | Profile brace 40 | 85 x 90 | Galvanized Steel | **70.0842.17.00** | |
| | Earth bolt M10 | | | | | **70.0925.11.00** | |
| P | Earth bonding point ESD | | Profile brace 40 | | Galvanized Steel | **70.1870.12.00** | |
| | | | | | | **70.1870.12.00E1** | Retrofit kit |
| O | Earth bonding point ESD | | Rack ☐ 8.3 x 8.3 mm | | | **70.0801.15.00** | |

## Base plate

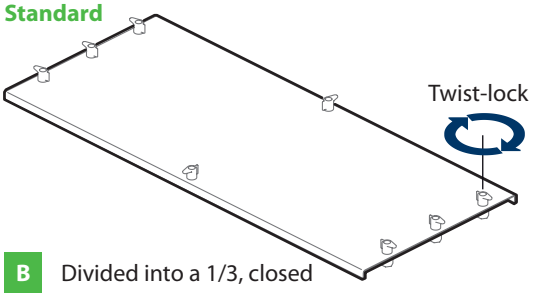
- The cabinet can be equipped with base plates (complete with a cable entry system)

AlMg

**Versions** (without cable entry system)

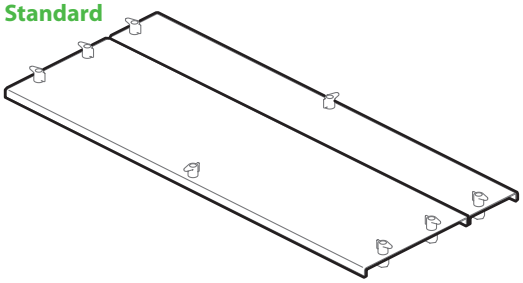
**A** Undivided, closed

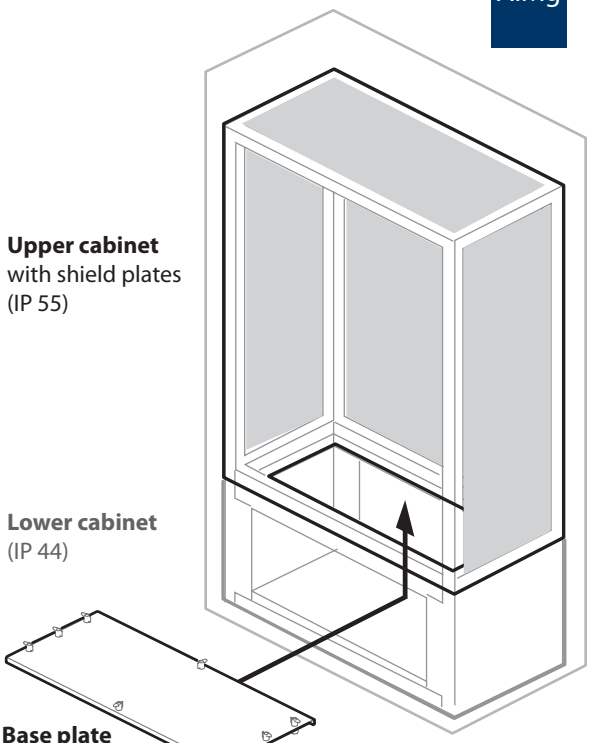
**Standard**




**B** Divided into a 1/3, closed

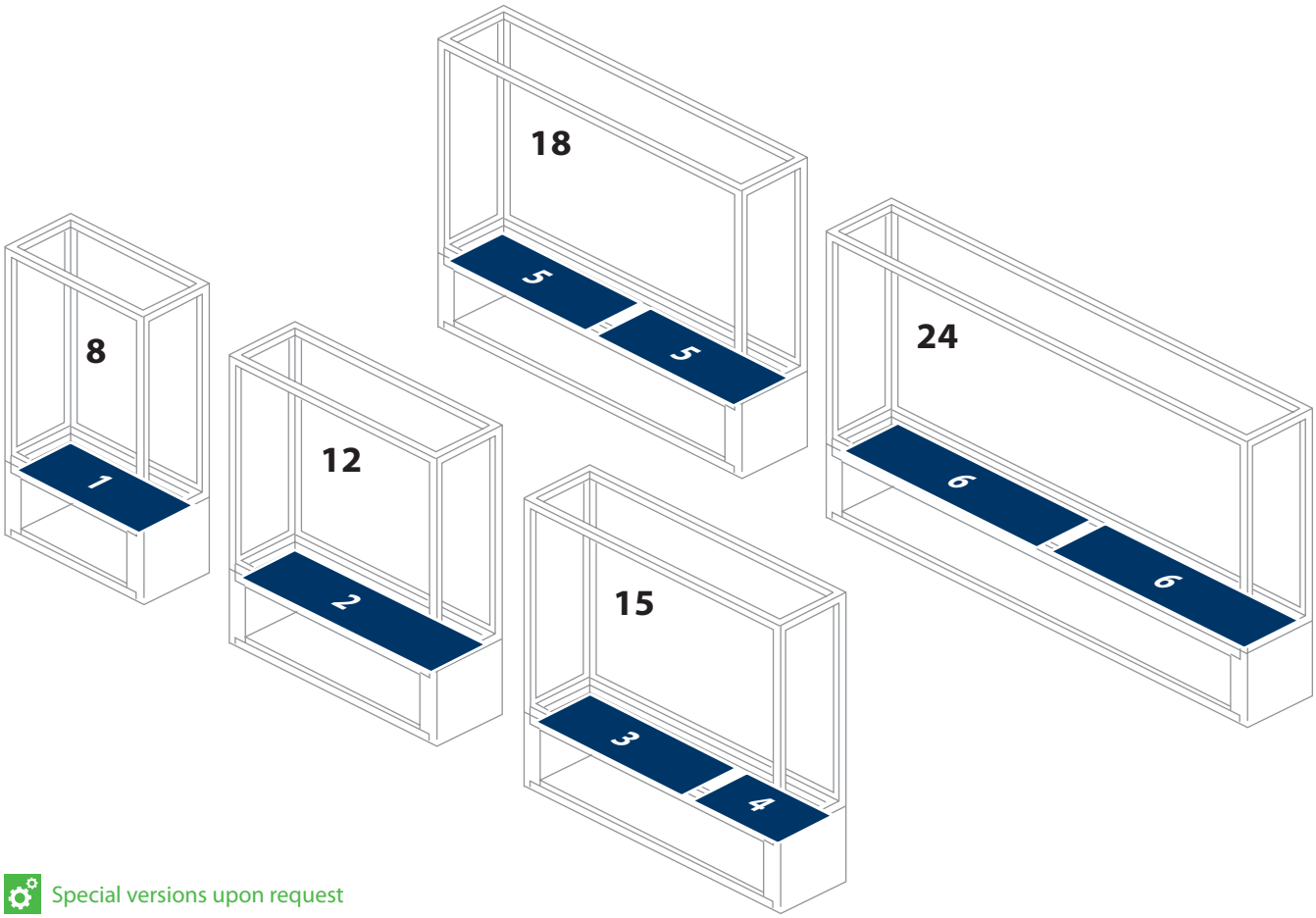
**Standard**





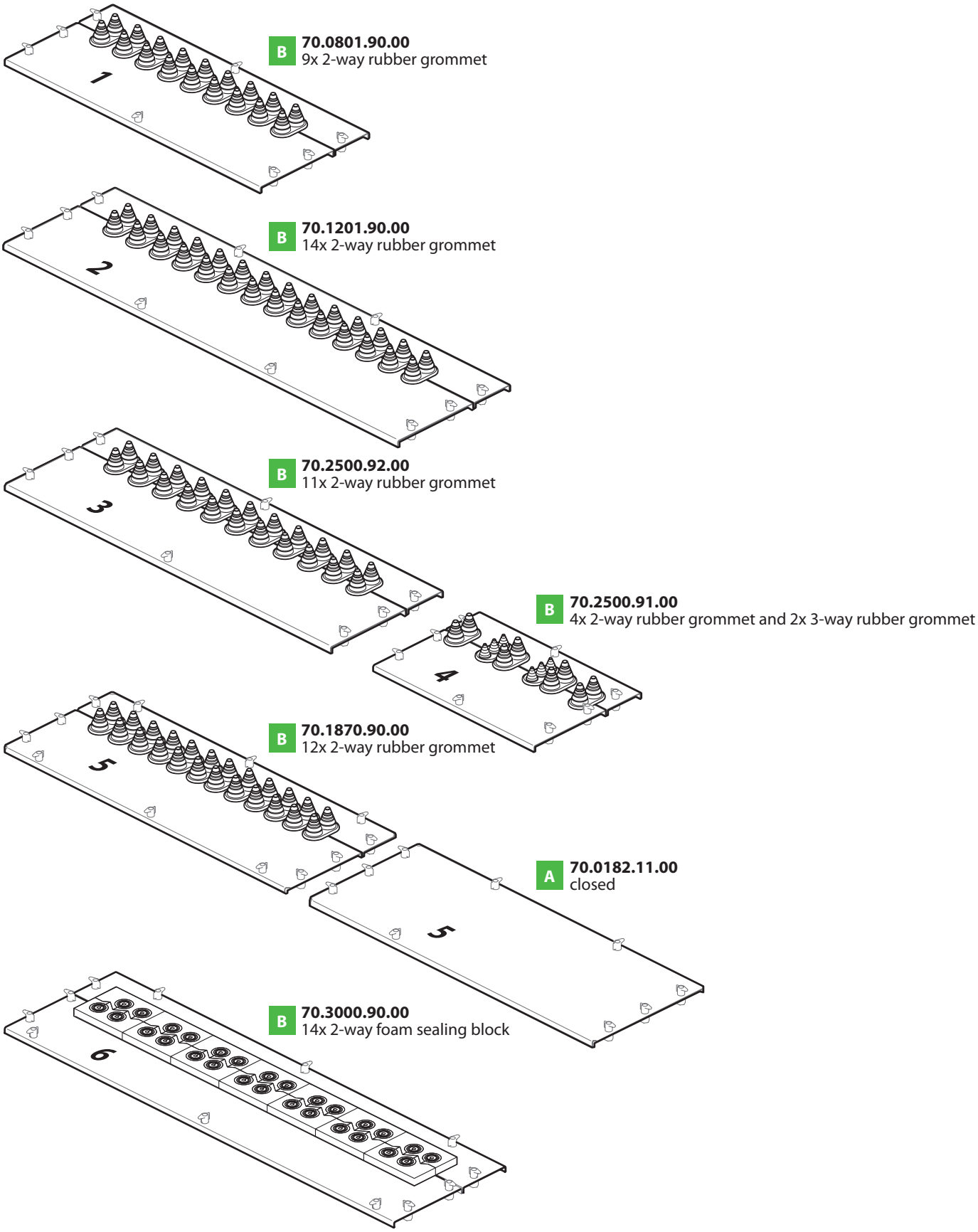

Base plates can be fitted rotated by 180°

**Standard dimensions and combinations**




Special versions upon request

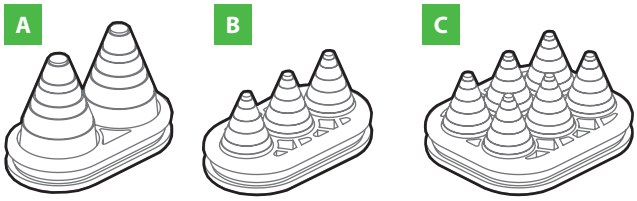
**Typical base plates** (selection)



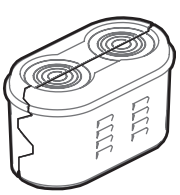

Customized configuration upon request

## Grommet

IP55 TPE-V



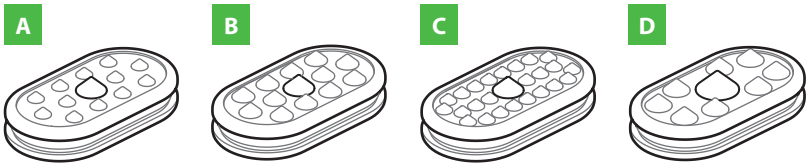

IP54 ABS EPDM

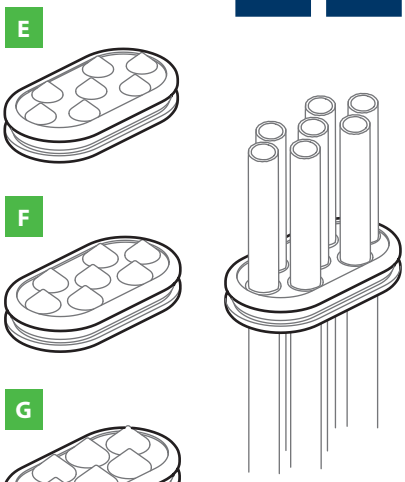



| Type | | Sealing area ø in mm | Installation dimensions L x W in mm | Article number | |
|---|---|---|---|---|---|
| A | 2-way rubber grommet | 9.5...42 | 91 x 46 | **59.0631.00.22**<br>**59.0631.33.00** | 10x |
| B | 3-way rubber grommet | 3...25 | 91 x 46 | **59.0633.01.02** | |
| C | 6-way rubber grommet | 3...25 | 91 x 76 | **59.0712.03.01** | |
| D | 2-way retrofit grommet **(10x)** | 6.5...33 | 91 x 46 | **59.0631.31.00** | Separable sealing block |

## **DEG** (Duct Entry Grommet)

IP55 TPE-V



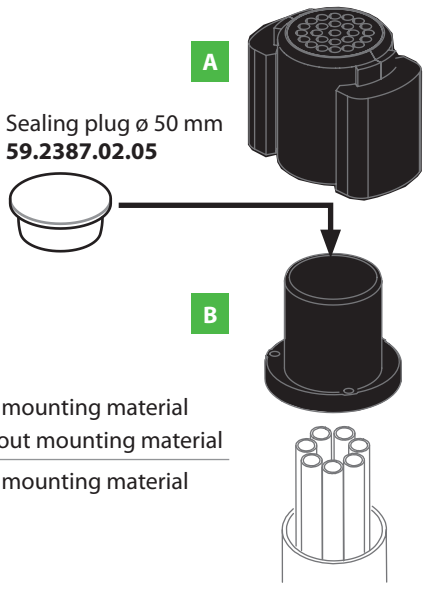




| Type | Sealing area ø in mm | Installation dimensions L x W in mm | Article number |
|---|---|---|---|
| A | 12x 7 + 1x 14 | 91 x 46 | **59.0633.01.03** |
| B | 12x 10 + 1x 14 | | **59.0633.01.04** |
| C | 24x 7 + 1x 14 | | **59.0633.01.05** |
| D | 8x 12 + 1x 20 | | **59.0633.01.06** |
| E | 7x 14 | | **59.0633.01.07** |
| F | 7x 16 | | **59.0633.01.08** |
| G | 6x 20 | | **59.0633.01.09** |

## Single-traction seal

PA6

- Separable single-traction seal (gas and watertight up to 0.5 bar)



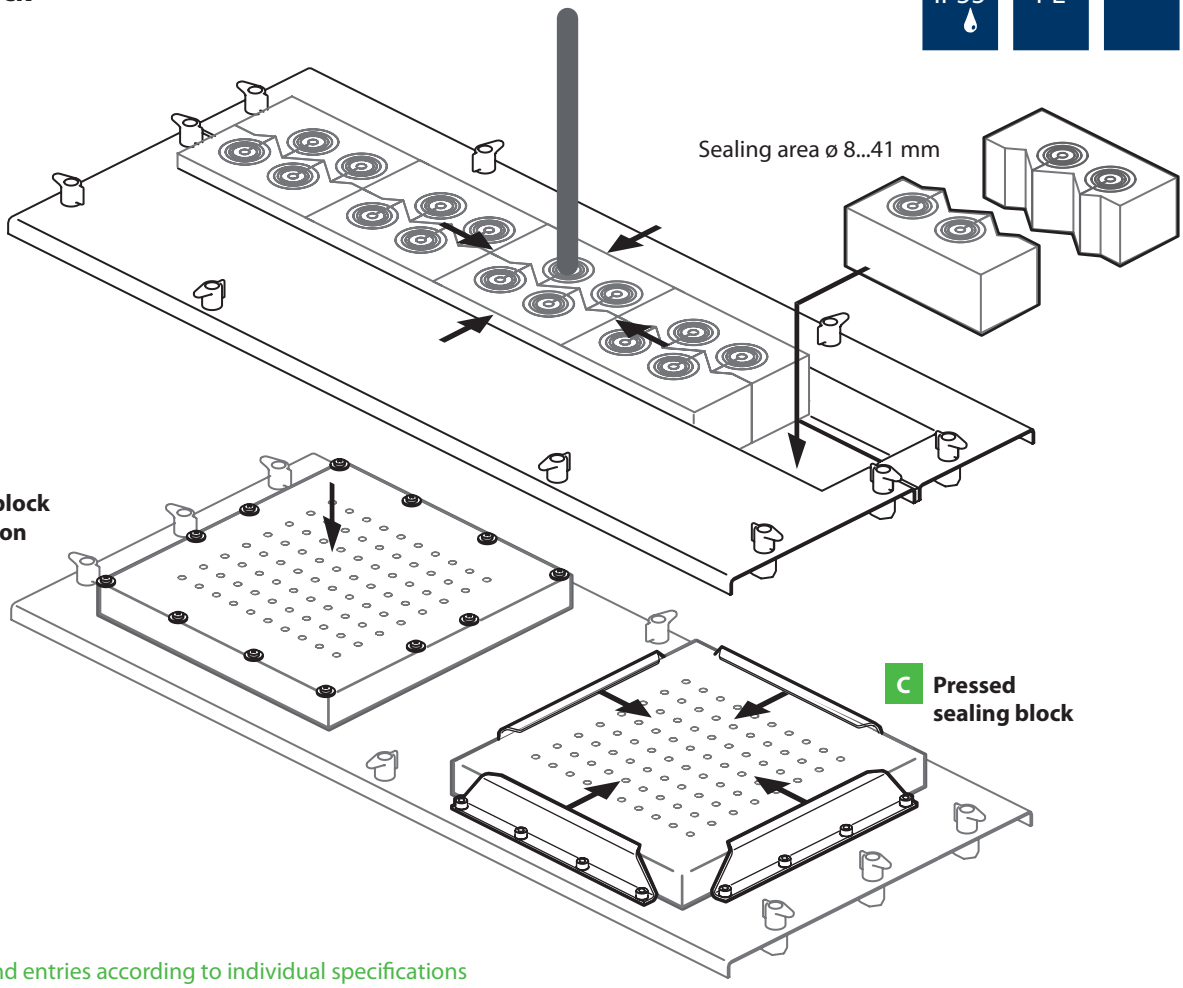

| Part | | Sealing area ø in mm | Article number | |
|---|---|---|---|---|
| A | EZA-t 50/24x7 | 24x 7 mm | **70.1924.90.13** | |
| | EZA-t 50/22x7 + 1x12 | 22x 7 mm + 1x 12 mm | **70.1924.90.12** | |
| | EZA-t 50/12x10 | 12x 10 mm | **70.1924.90.14** | |
| | EZA-t 50/7x12 | 7x 12 mm | **70.1924.90.15** | |
| | EZA-t 50/6x14 | 6x 14 mm | **70.2523.90.02** | |
| B | Cable entry ø 50 mm | | **70.1924.93.00** | With mounting material |
| | Opening blind cover ø 50 mm | | **70.1290.90.01** | Without mounting material |
| | Cable entry ø 63 mm | | **70.1924.94.00** | With mounting material |

Other sizes upon request

## Sealing block

IP55 | PE | EPDM

**A** **Standard**
**Pressed sealing block**




**B** **Sealing block screwed on**

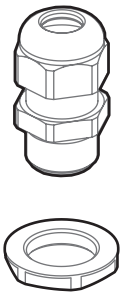
**C** **Pressed sealing block**

Dimensions and entries according to individual specifications

## Cable gland

IP68 | PA

- Pressurised water resistant cable entry with tension relief

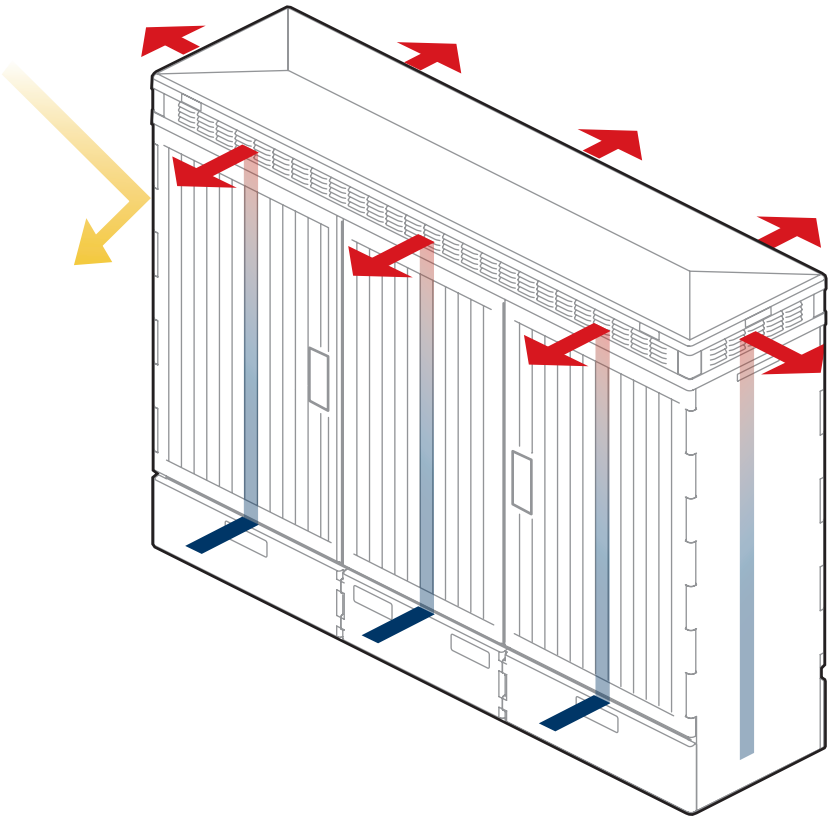


| Size | Sealing area ø in mm | Cable gland | Lock nut |
|---|---|---|---|
| | | Article number | Article number |
| M12 | 3.5...6.5 | **50.8111.10.19** | **50.8111.10.15** |
| M16 | 4.5...10 | **54.0204.02.12** | **54.0204.02.13** |
| M20 | 6...13 | **54.4139.01.02** | **54.4139.01.03** |
| M25 | 9...17 | **54.0204.02.03** | **54.0204.02.04** |
| M32 | 13...21 | **54.6213.10.03** | **54.6213.10.04** |
| M40 | 16...28 | **50.8111.10.20** | **50.8111.10.16** |
| M50 | 21...35 | **50.8111.10.21** | **50.8111.10.17** |
| M63 | 34...48 | **70.2511.90.02** | **70.2511.90.03** |

Other sizes upon request

## A Passive ventilation

- Heat dissipation with the air circulation between inner and outer cabinet shell („chimney effect“)

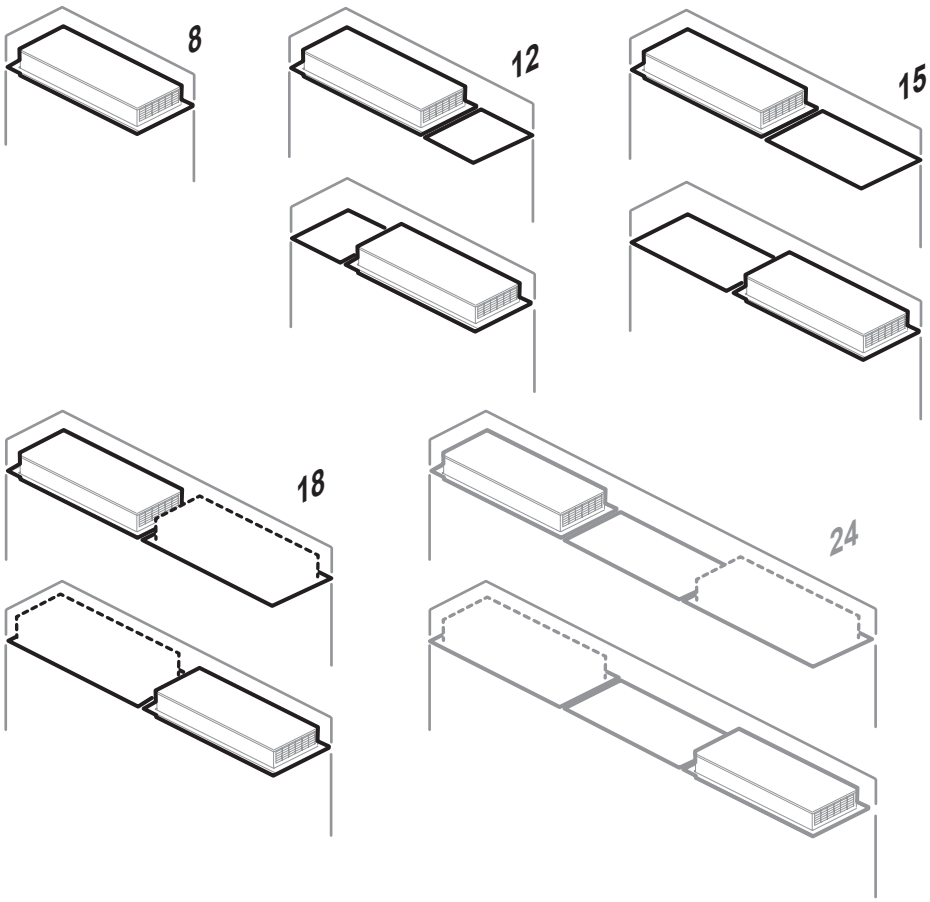


**Passive cooling capacity**
W (ΔT=25K)

| | |
|---|---|
| **SiCab 8** | 250 |
| **SiCab 12** | 350 |
| **SiCab 15** | 450 |
| **SiCab 18** | 500 |
| **SiCab 24** | |

## B Active climate control

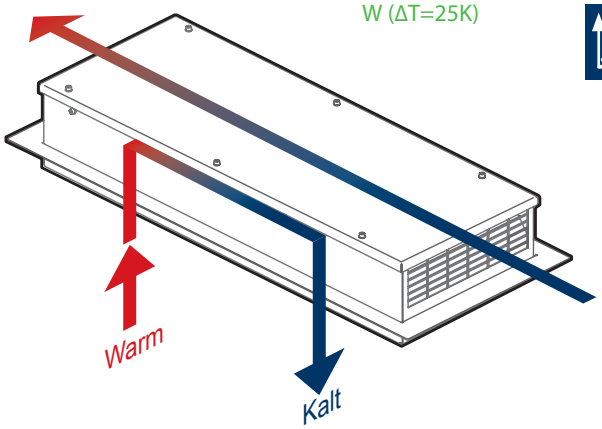
**Standard position and number of climate modules**



## Heat exchanger SCS

Max. 1600 Watt

W (ΔT=25K)



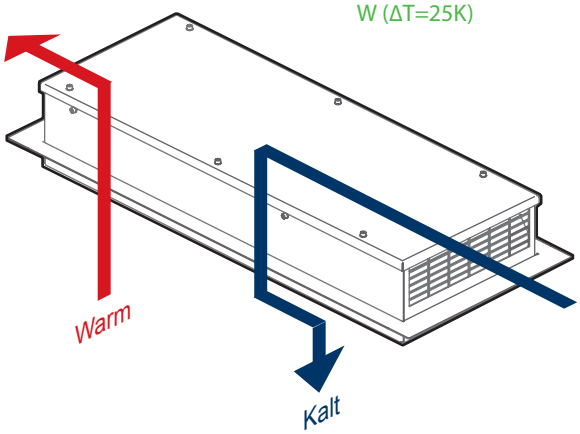

- 2 separate are flows (external/internal)
- DC -48 V power supply
- Max. power consumption 90 W
- Temperature-controlled using an external sensor
- **Programmable control characteristic**
  Standard characteristic curve for treatment areas and hospitals
- Connections for NTC sensor, programming, alarm 1+2
- **Complete installation set**

| For SiCab | Number of modules | Article number | |
|---|---|---|---|
| **8** | 1 | **70.0870.31.00** | |
| | | **70.0870.31.00E2** | Retrofitting |
| | | **70.0870.30.00E2** | With roof module |
| **12** | 1 | **70.1270.31.00** | |
| | | **70.1270.31.00E2** | Retrofitting |
| | | **70.1270.30.00E2** | With roof module |
| **15** | 1 | **70.2500.80.00** | |
| | | **70.2500.80.00E1** | Retrofitting |
| **18** | 1 | **70.1890.41.00** | |
| | | **70.1890.31.00E2** | Retrofitting 1st module |
| | | **70.1890.30.00E2** | With roof module |
| | | **70.1890.32.00E2** | Retrofitting 2nd module |
| | | **70.1890.28.00E2** | With roof module |
| | 2 | **70.1890.43.00** | |
| | | **70.1890.33.00E2** | Retrofitting |
| | | **70.1890.29.00E2** | With roof module |
| **24** | | (on request) | |

## Air exchanger

Max. 2500 Watt

W (ΔT=25K)




- Fan with integrated filter cassette
- DC -48 V power supply (max. power consumption 50 W)
- Temperature-controlled using an external sensor
- With feature filter monitoring with differential pressure sensor
- **Programmable control characteristic**
  (characteristic curve upon request)
- Connections for NTC sensor, programming, alarm 1+2
- **Complete installation set**

| For SiCab | Number of modules | Article number | |
|---|---|---|---|
| **8** | 1 | **70.0870.36.00** | |
| | | **70.0870.36.00E1** | Retrofitting |
| **12** | 1 | **70.1270.36.00** | |
| | | **70.1270.36.00E1** | Retrofitting |
| **15** | 1 | **70.2500.82.00** | |
| | | **70.2500.82.00E1** | Retrofitting |
| **18** | 1 | **70.1890.39.00** | |
| | | **70.1890.39.00E1** | Retrofitting 1st module |
| | | **70.1880.38.00** | 2nd module |
| | | **70.1880.38.00E1** | Retrofitting 2nd module |
| | 2 | **70.1890.40.00** | |
| | | **70.1890.40.00E1** | Retrofitting |
| **24** | | (on request) | |

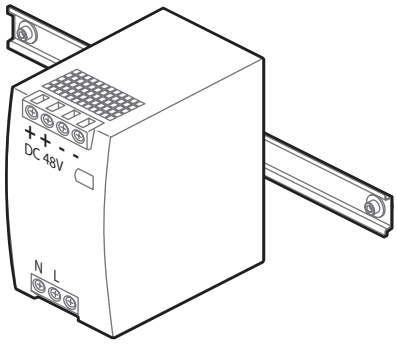
## Accessories and spare parts

| Component | Heat exchanger SCS | Air exchanger | Article number |
|---|---|---|---|
| **Module Air exchanger with cables and seal set** | | • | **70.1880.39.00E1** |
| **Module Heat exchanger SCS with cables and seal set** | • | | **70.1880.46.00E1** |
| Seal set (after changing modules or retrofitting) | • | • | **70.1890.36.00** |
| Cable set with alarm cable, temperature sensor, fan cable 48V | • | • | **70.0010.18.00** |
| Set for variable module positioning (SiCab 18) | • | • | **70.1882.35.00** |
| Test potentiometer (NTC simulation) for checking functions | • | • | **70.1880.32.10** |
| Cassette filter set with F6 cassette filter and G3 filter mat | | • (old) | **70.1880.38.10** |
| Replacement filter set with outlet filter G3 and panel filter | | • (new) | **70.0020.20.00** |

## Switching power supply AC 230 V or DC 48 V

IP20 | 48 V DC | Max. 480W

- Operation of a climate module (DC -48 V) or other appliances on AC 230 V power supply
- **Complete with support rail** (70.0080.55.00)

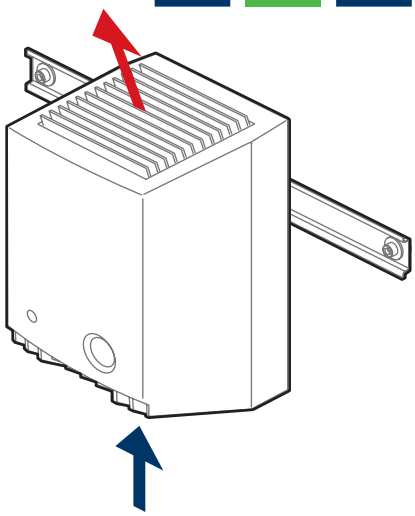



| Type | Max. power | Switching power supply W x H x D in mm | Article number |
|---|---|---|---|
| For 1x climate module | 240 W / 5 A | 60 x 124 x 117 | **70.0081.25.00** |
| For 2x climate module | 480 W / 10 A | 82 x 124 x 127 | **70.0081.26.00** |

## Heater module with thermostat

IP20 | 230 V AC | Max. 550W

- Fan heater with setting range thermostat 0°...+60°C
- **Complete with support rail (70.0080.55.00)**



| Type | Heating capacity | Module W x H x D in mm | Protection class | Article number |
|---|---|---|---|---|
| CR 027 semiconductor fan heater | 550 W 220...240 V AC 50 Hz / 13A | 100 x 165 x 124 | II (IP 20) | **70.1928.11.00** |

Protection against noise

| **TA Lärm** | Maximum noise level | |
|---|---|---|
| | dB(A) day | dB(A) night |
| Industrial zones | 65 | 65 |
| Commercial zones | 65 | 50 |
| Central, village and mixed areas | 60 | 45 |
| Residential / small residential areas | 55 | 40 |
| Residential areas | 50 | 35 |
| Treatment areas, hospitals | 45 | 35 |

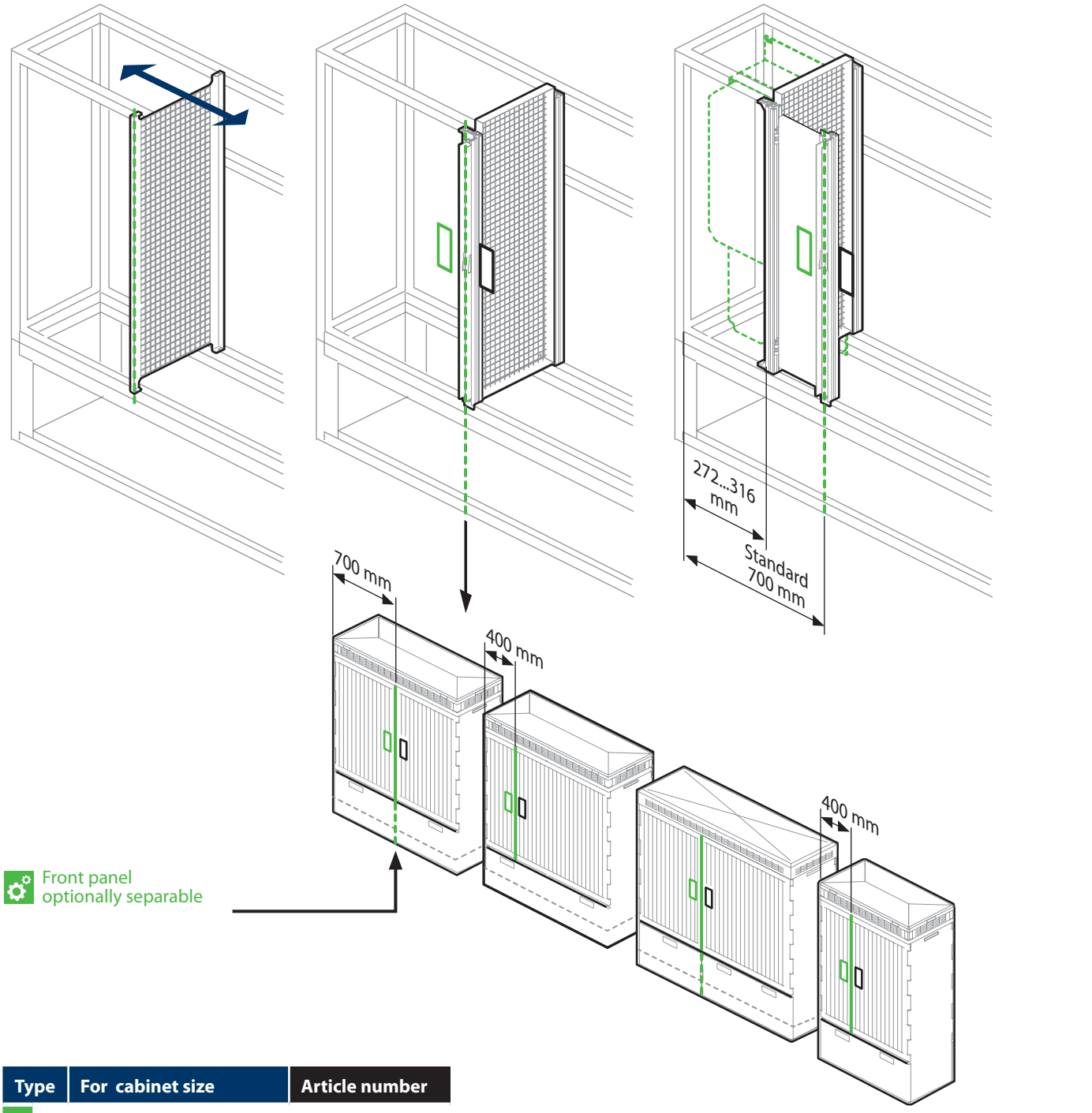
| **Comparability** | Typical noise level |
|---|---|
| | dB(A) |
| Vacuum cleaner | 70 |
| Normal conversation | 55 |
| Heavy rain | 50 |
| Quiet residential street at night | 40 |
| Whispering, ticking clock | 30 |
| Rustling leaves | 20 |

## **Area divider for inner cabinet** (possible ex-works)

**A** **Variable partition grid**

**B** **Partition grid at door partition**

**C** **Partition grid with cover up to door partition**




| Type | For cabinet size | Article number | |
|---|---|---|---|
| A | 8, 12, 15, 18 | **70.2110.50.00** | Standard |
| | | **70.0971.12.00** | For cabinets with door 400 mm |
| B | 12, 15, 18 (alle 2-türig) | **70.0120.52.00** | |
| | 12, 15, 18 (alle 4-türig) | **70.0120.53.00** | |
| | 8 (2-türig) | **70.0971.12.00** | |
| C | 12, 15, 18 | (on request) | |

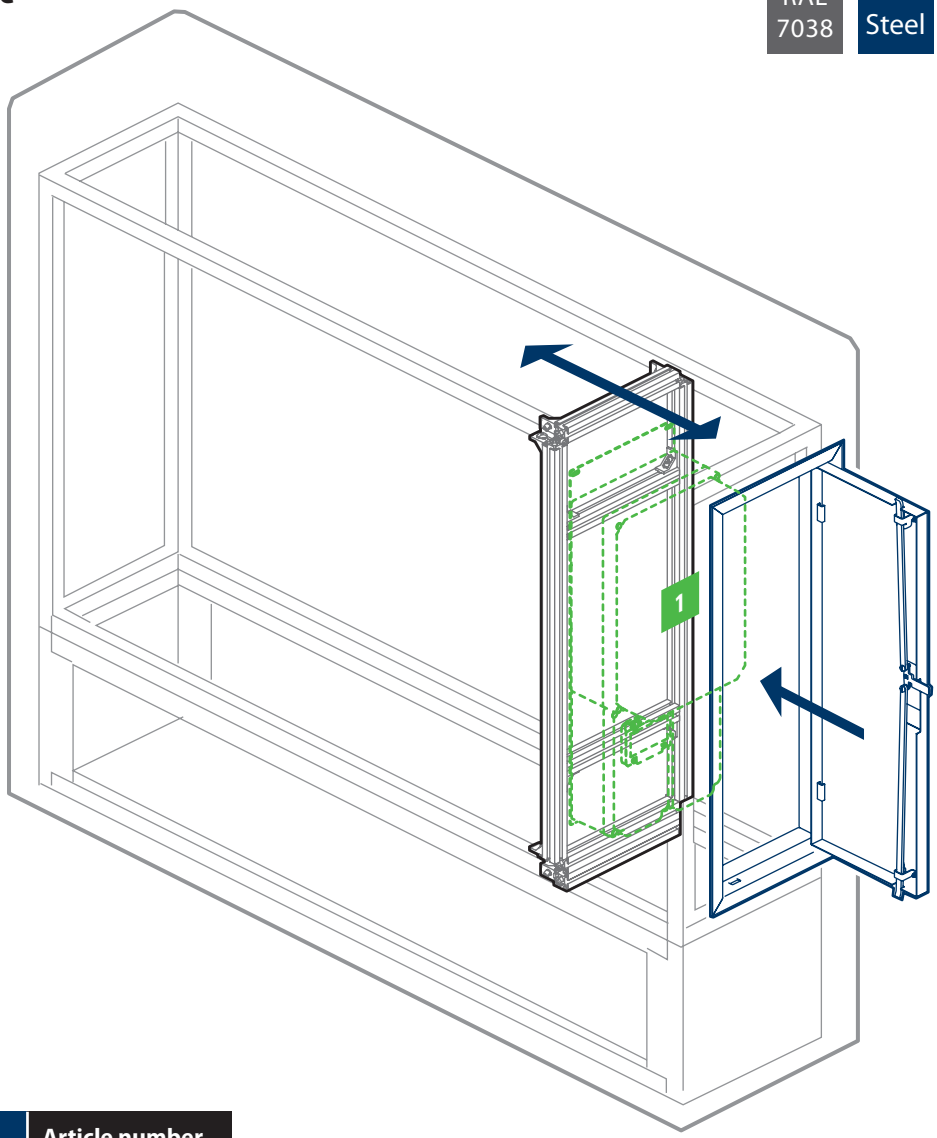
**Extended access** (possible ex-works)

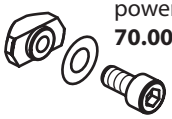
On request for all cabinets

## Additional access from the side

RAL 7038 | Stainless Steel

- Side door with double locking system swivel arm lock
- Complete with bulkhead partition as area divider



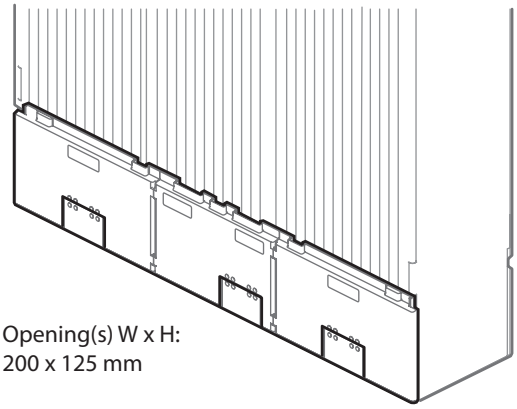



Mounting set for power supply unit 1 (M6)
**70.0080.38.00**
(4 piece)

| Für Gehäusegröße | Article number | |
|---|---|---|
| 8, 12, 15, 18 (cabinet height 1600 mm) | **70.2520.34.00** | |
| | **70.2520.34.00E1** | Retrofit kit |

## Front panel with cable feedthrough opening

| For cabinet height (Standard in mm) | Number of openings | Article number |
|---|---|---|
| 8 (1600) | 1x | **70.0800.43.00** |
| 12 (1600) | 2x (left + right) | **70.1200.35.00** |
| 15 (1600) wide door, left | 2x (left + right) | **70.2500.55.00** |
| 15 (1600) wide door, right | 2x (left + right) | **70.2501.55.00** |
| 18 (1600) | 2x (left + right) | **70.1800.35.00** |
| 18 (1600) | 3x (left + middle + right) | **70.1800.38.00** |

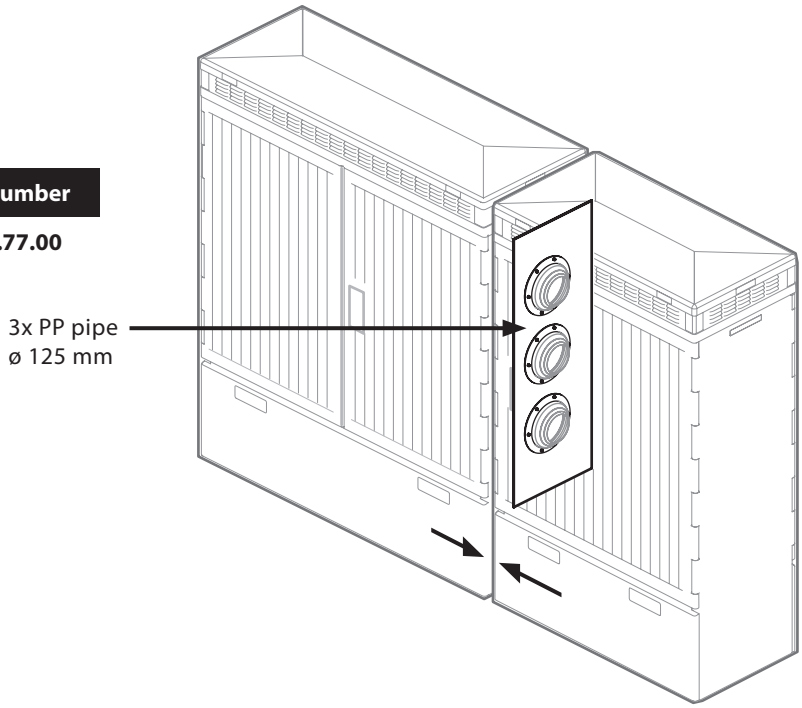


Opening(s) W x H:
200 x 125 mm

## **Cable crossover** (retrofit kit)

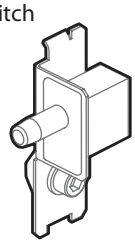
- **Complete set for 2 cabinets side-by-side**

| For cabinet size | Entries | Article number |
|---|---|---|
| Cabinet height standard 1600 mm | 3 x ø 125 mm | **70.0081.77.00** |



## Door contact

Installation dimensions for switch
W x H: 13.8 x 28.5 mm



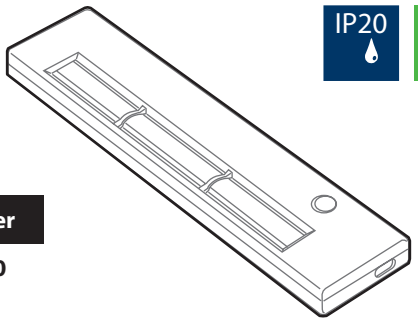
Stainless Steel

- **Complete with mounting material for profile brace 40**

| Type | Set with | Switching capacity | Article number |
|---|---|---|---|
| Door contact complete | Bracket, switch Cherry E69-00A, 3x control line and mounting material | 10 A / 250 V AC | **70.1807.17.00**<br>**70.1807.17.00E1** Retrofit kit |

## Inner cabinet lighting

IP20 | 230 V AC | G5 8 W



- Fitted light, magnetic on bracket
- **Complete with power cable, 19“ bracket and mounting material for rack** (☐ 8.3 x 8.3 mm) **and profile brace 40**

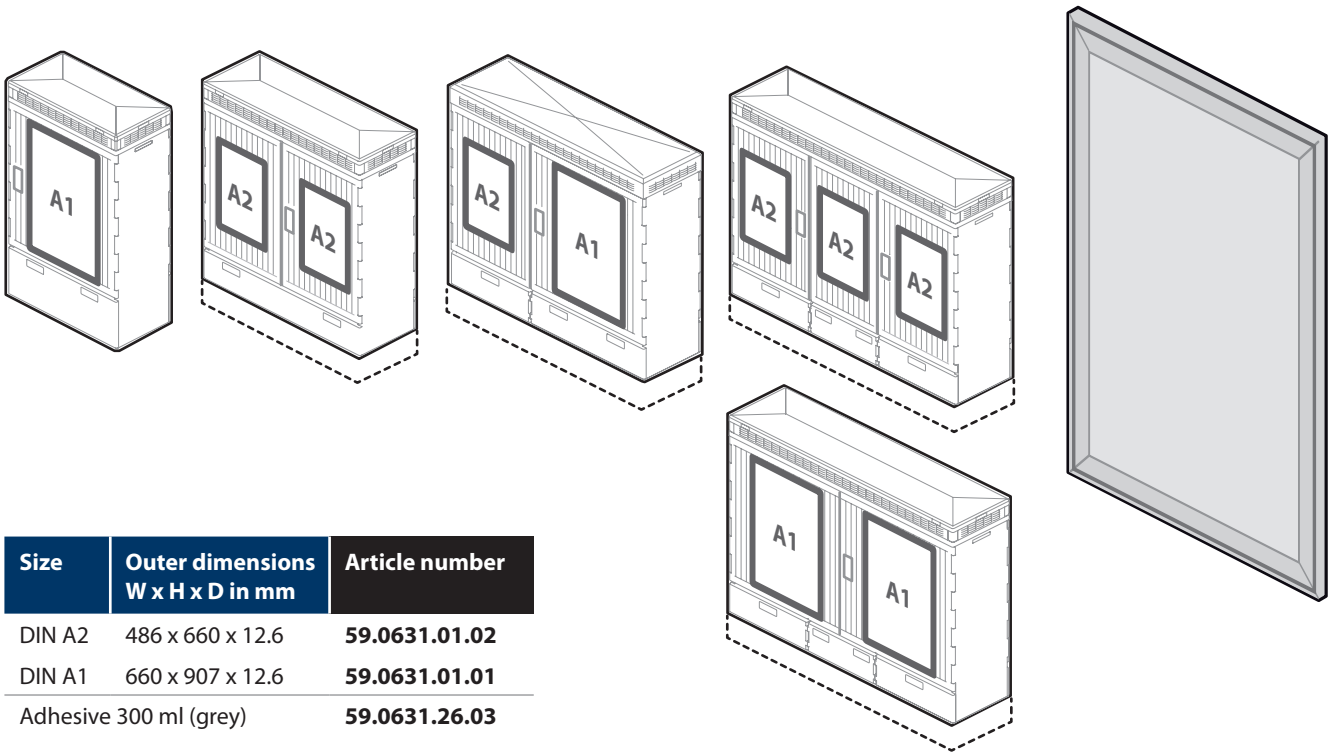
| Lamp | Power | Protection class | Article number |
|---|---|---|---|
| G5 fluorescent lamp | 8 W / 230 V AC | II (IP 20) | **70.1288.01.00** |

Other version upon request

## Hinged frame

Al

- Weather proof hinged frame with UV-stabilised anti-reflex film and waterproof inner pocket

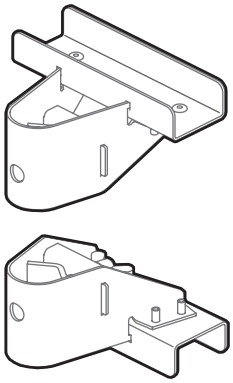


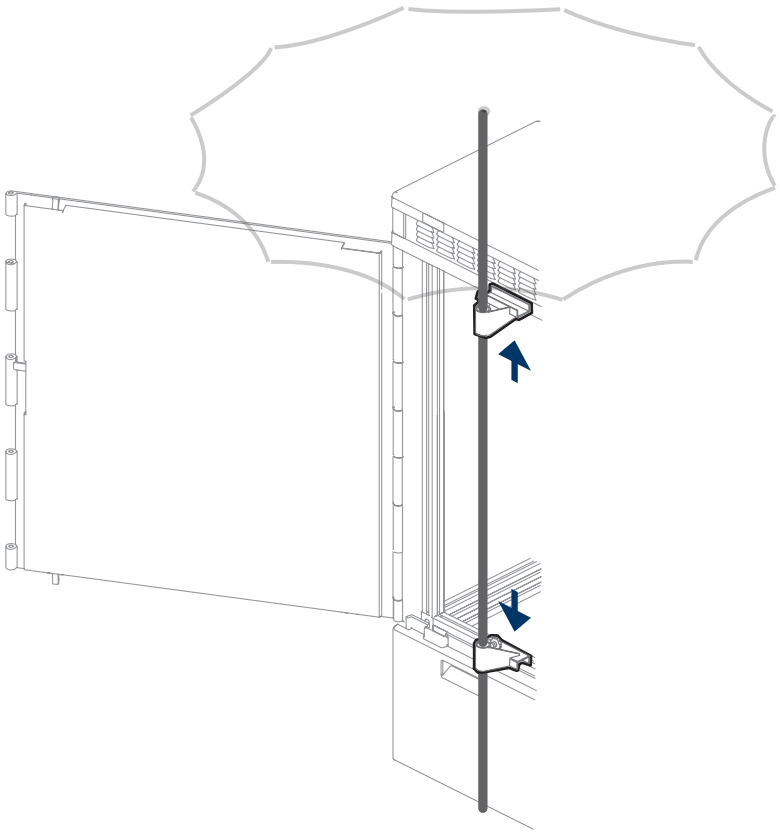

| Size | Outer dimensions W x H x D in mm | Article number |
|---|---|---|
| DIN A2 | 486 x 660 x 12.6 | **59.0631.01.02** |
| DIN A1 | 660 x 907 x 12.6 | **59.0631.01.01** |
| Adhesive 300 ml (grey) | | **59.0631.26.03** |

## Umbrella holder

Galvanized Steel

- Attaching umbrellas (circular pipe diameter max. 45 mm) in the cabinet opening area
- Securely held with locking screws
- **Complete set (2 brackets)**



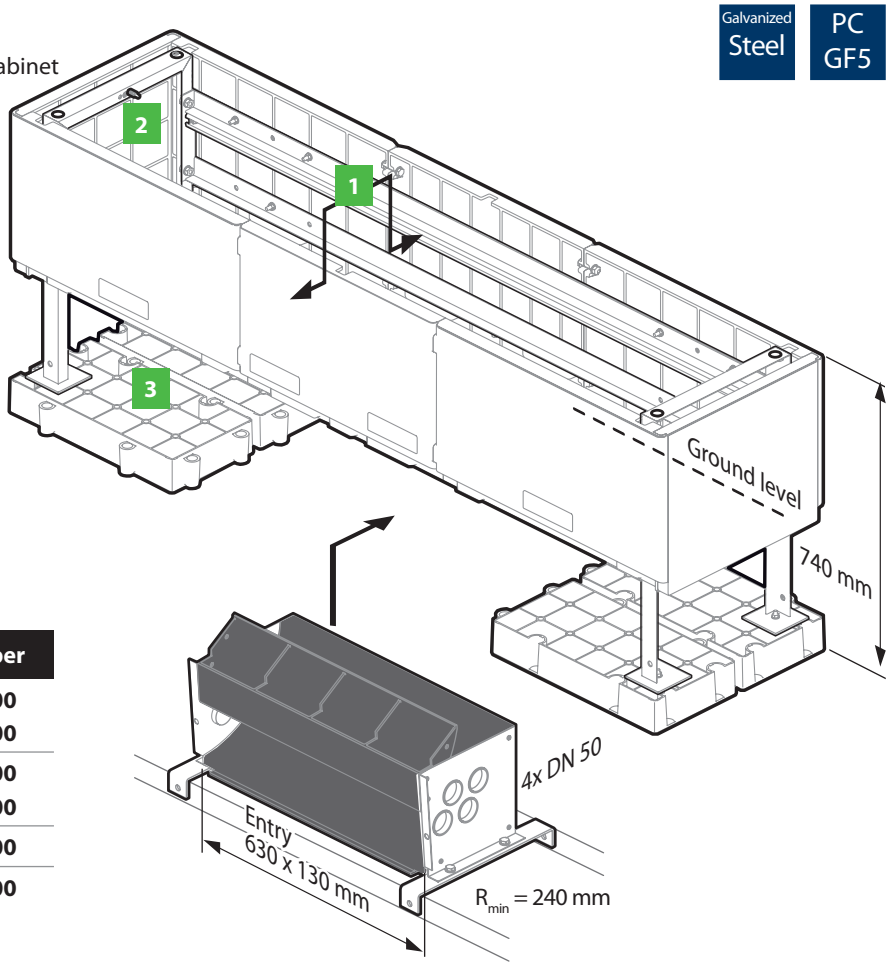


| For cabinet size | Article number |
|---|---|
| All | **59.2072.00.00** |

## **Base** (plinth)

Galvanized Steel | PC GF5

- Plinth acting as the foundation for the cabinet
- Steel frame with plastic panelling
- High structural integrity thanks to equal weight distribution with grid base plates
- **Fixed installation depth**




1 C rails
2 Earth connection M6
3 Grid plates (70.0800.00.05)
4 Cable guide

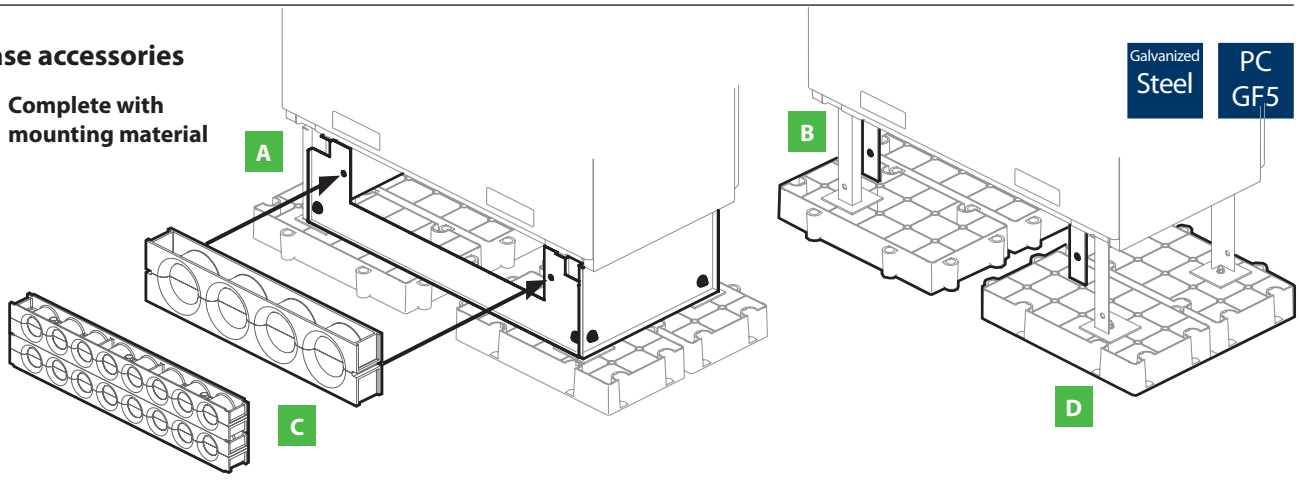
| For SiCab | Cable guide | Article number |
|---|---|---|
| 8 | – | **75.0812.00.00** |
| | • | **75.0813.00.00** |
| 12 | – | **75.1211.00.00** |
| | • | **75.1219.00.00** |
| 15 | – | **75.1511.00.00** |
| 18 | – | **75.1811.00.00** |

Height adjustable base upon request
Increased base upon request

## Base accessories

Galvanized Steel | PC GF5

- **Complete with mounting material**




| Accessories | For base | Article number |
|---|---|---|
| A Cover plates | 8 | **75.0822.00.00** |
| | 12 | **75.1222.00.00** |
| | 15 | **75.1513.00.00** |
| | 18 | **75.1813.00.00** |
| B Mounting set for connection plate | All | **75.1810.01.00** |

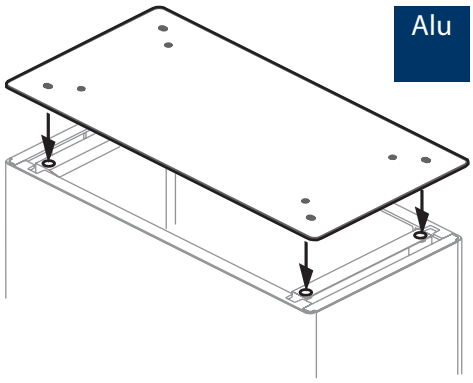
| Accessories | For pipe ø in mm | Piece | Article number |
|---|---|---|---|
| C Connection plate for pipes (separable) | 4x 102...113 | 1 | **59.0251.00.00** |
| | | 10 | **59.1916.00.00** |
| | 16x 48...50 | 1 | **59.0291.00.00** |
| | | 10 | **59.1915.00.00** |
| D Grid plates | | Set | **75.1810.20.00** |

## Top cover panel

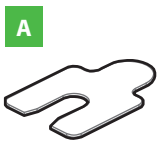
Alu

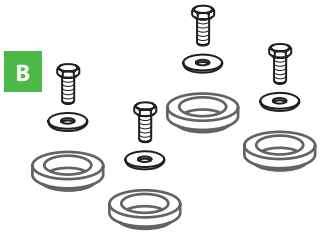
- Sealing the base if the cabinet is not mounted yet
- **Complete with mounting material**

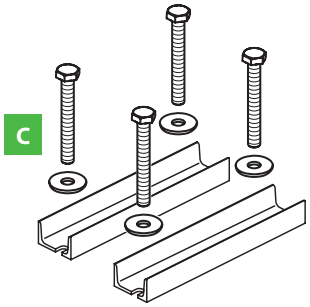
| For base | Article number |
|---|---|
| 8 | **75.0800.40.00** |
| 12 | **75.1200.40.00** |
| 15 | **75.1511.40.00** |
| 18 | **75.1800.40.00** |

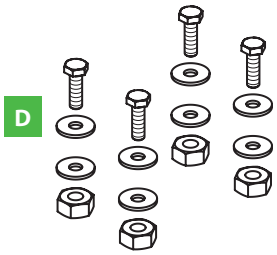


## Adapter and mounting sets



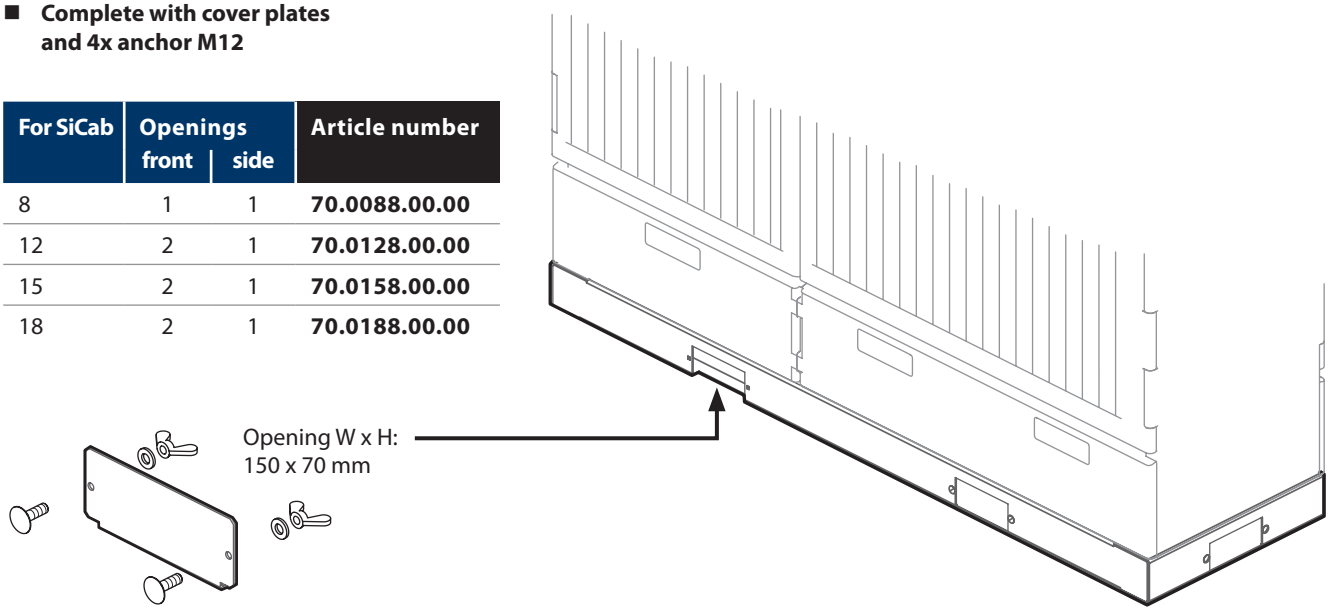

| Type of adapter | | For cabinet | For base | Piece | Article number | |
|---|---|---|---|---|---|---|
| A | Shim for adjusting cabinet/base height | All | All | 10 | **70.0000.01.00** | |
| B | Mounting set (predetermined breaking elements) | SiCab old | SiCab old standard | Set | **75.0800.20.00E1** | Retrofit kit |
| C | Adapter MFG10 | MFG10 | SiCab old standard | Set | **70.0080.93.00** | |
| D | Adapter MFG08/10 | MFG08/10 | SiCab old superstructure | Set | **75.0810.01.00** | |

## Mounting frame

Stainless Steel

- Mounting frame for assembling the cabinet without a base
- **Complete with cover plates and 4x anchor M12**

| For SiCab | Openings front | Openings side | Article number |
|---|---|---|---|
| 8 | 1 | 1 | **70.0088.00.00** |
| 12 | 2 | 1 | **70.0128.00.00** |
| 15 | 2 | 1 | **70.0158.00.00** |
| 18 | 2 | 1 | **70.0188.00.00** |



# **SiCab** Multi-purpose Cabinet

**Height**:
1600 mm
or
1450 mm

**8** | **Width**: 1000 mm

**12** | **Width**: 1400 mm

**15** | **Width**: 1700 mm

**Depth**: 500 mm

**Height**:
1600 mm
or
1450 mm

**18** | **Width**: 2000

**24** | **Width**: 2600

**Depth**: 500

**Berthold Sichert GmbH** | Kitzingstrasse 1 - 5 | 12277 Berlin, Germany

Phone: +49 30 74707 0
Fax: +49 30 74707 20
E-mail: Info@Sichert.com



All of the information here is accurate and reliable to the best of our knowledge. However, we give no assurances with regard to its quality. It is the responsibility of the users of our products to decide whether the products are suitable for their intended application. Our product liability is based solely on our sales, delivery and payment conditions. We accept no responsibility under any circumstances for any incidental, indirect damages or resulting damages of any kind. Stand: 6. August 2018, 10:01 vorm.