



**CONNECT AND PROTECT**

**PropacPRO**

  
**nvent**  
**SCHROFF**

# Desk-top cases – PropacPRO

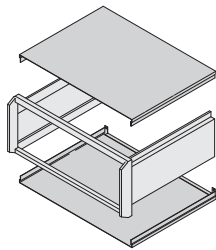
## OVERVIEW

### MAIN KATALOG

|                                                     |    |
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| Cabinets . . . . .                                  | 1  |
| Wall mounted cases . . . . .                        | 2  |
| Accessories for cabinets and wall mounted cases . . | 3  |
| Climate control . .                                 | 4  |
| Electronics cases . . . . .                         | 5  |
| Subracks/ 19" chassis . . . . .                     | 6  |
| Front panels, plug-in units . . . . .               | 7  |
| Systems . . . . .                                   | 8  |
| Power supply units . . . . .                        | 9  |
| Backplanes . . . . .                                | 10 |
| Connectors, front panel component system . . . . .  | 11 |
| Appendix . . . . .                                  | 12 |

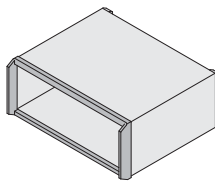


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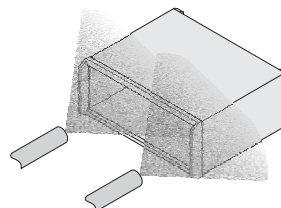
05806052

Easy access provided by removable cladding parts



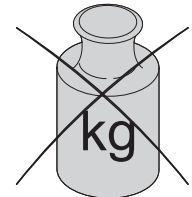
05806050

Extremely robust one-piece die-cast frame



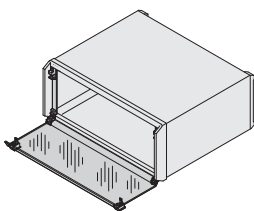
05806055

Non-sensitive, scratch-resistant finish through powder coating



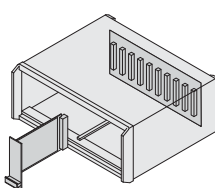
05806056

Low weight



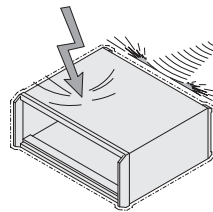
05806054

Wide accessory programme with acrylic glass front hoods, carrying handles, ...



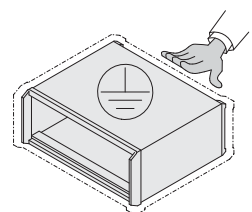
05806053

Assembly possibility for euroboards and backplanes



05806051

EMC version



noa44075

VDE-compliant GND/earthing

## STANDARDS

- Internal dimensions in accordance with IEC 60297-3-101
- Ingress protection IP 20 in accordance with IEC 60529
- EMC test in accordance with VG 95373 part 15
- Protective GND/earth connections in accordance with:  
DIN EN 50178 / VDE 0160  
DIN EN 60950 / VDE 0805  
DIN EN 61010-1 / VDE 0411 part 1  
DIN EN 61010-1A2 / VDE 0411 part 1/A1

# Desk-top cases – PropacPRO

## OVERVIEW

### ALUMINIUM CASE FOR 19" COMPONENTS TO IEC 60297-3-100 OR INDIVIDUAL ELECTRONICS ASSEMBLIES

- Front frame and side panels in aluminium
- Extensive accessories, matched to portable applications
- Basic level shielding from basic versions up, extended EMC shielding retrofittable
- Design alternative to compacPRO



#### DESKTOP CASES

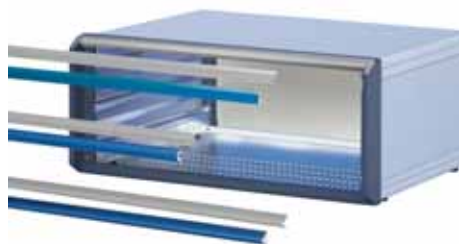
- **Complete case (pre-assembled)**
  - Prepared for 19" components to IEC 60297 for installation of euro-boards
  - Basic level shielding from basic versions up, extended EMC shielding retrofittable
  - Height 3 U, 6 U



05809003 05806003

- **Cases**
  - Pre-assembled cases as basis for individual components or 19" components (IEC 60297)
  - Basic level shielding from basic versions up, extended EMC shielding retrofittable
  - Height: 2 U, 3 U, 4 U, 6 U
  - 3 U and 4 U cases prepared for tip-up carrying handle

#### ACCESSORIES



05809002

#### SERVICEPLUS

- e.g. modifications (special colours, special depths, cut-outs in top cover, base plate or side panels)
- e.g. assembly service from 1 piece

30407004

Overview . . . . 5.44

propacPRO  
Complete cases 3, 6 U, unshielded/shielded . . . . . 5.46  
Cases 2, 3 U . . . . . 5.50  
Cases 4, 6 U . . . . . 5.51  
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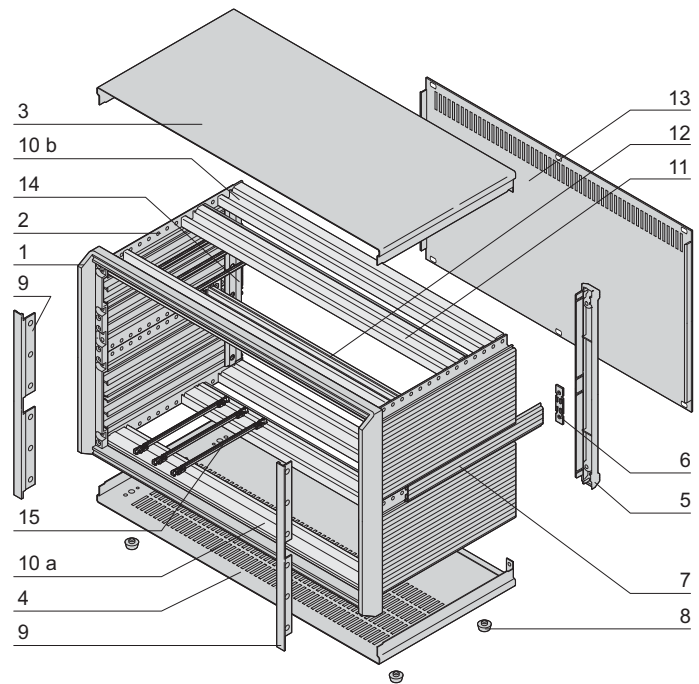
# Desk-top enclosure – PropacPRO

**COMPLETE CASE, EMC SHIELDED**



3 U

05809004



Maximum mounting depth = D - 45  
(Distance: front panel - rear panel)

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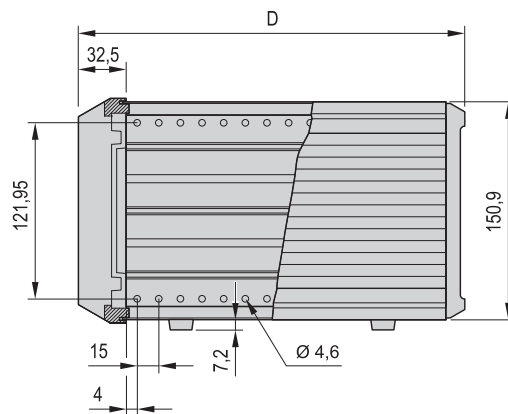
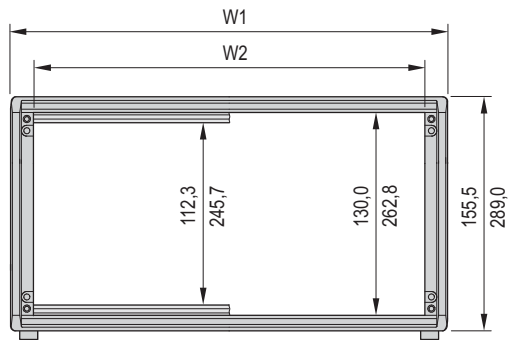
- Desk-top case with pre-configured components, in accordance with IEC 60297-3-101; prepared for 19" components such as plug-in units and euroboards
- Ventilation slots in base plate
- Rear panel with vent slots

## DELIVERY COMPRISES (Items 1-7, 9 and 10 fitted)

| Item | Qty       |           | Description                                                                                                                                                            |
|------|-----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3 U       | 6 U       |                                                                                                                                                                        |
| 1    | 1         | 1         | Frame, Al die-cast, powder-coated, RAL 7016                                                                                                                            |
| 2    | 2         | 4         | Side panel, Al extrusion, powder-coated, RAL 9006, with EMC side panel gasketing                                                                                       |
| 3    | 1         | 1         | Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag                                                     |
| 4    | 1         | 1         | Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots         |
| 5    | 2         | 2         | End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot when case is used in vertical position                                                             |
| 6    | -         | 2         | Adaptor bracket (only at 6 U)                                                                                                                                          |
| 7    | -         | 2         | Cover trim for side panel, Al extrusion, powder-coated, RAL 9006                                                                                                       |
| 8    | 4         | 4         | Case foot with anti-slip protection, PC, black, UL 94 V-0                                                                                                              |
| 9    | 2         | 2         | Lateral trim, Al extrusion, visible surface painted, RAL 7016 with EMC sealing (textile)                                                                               |
| 10a  | 2         | 2         | Horizontal rail, Al extrusion, with threaded insert, St, M2.5; perforated strip, Al, 1 mm, EMC contact strip between front panel - horizontal rail - cover plate       |
| 10b  | 2         | 2         | Horizontal rail, Al extrusion, with threaded insert, St, M2.5; EMC contact strip between rear panel - horizontal rail - cover plate                                    |
| 11   | 2         | 2         | Centre horizontal rail top/bottom, Al extrusion, with threaded insert, St, M2.5 and insulation strip, PBT, UL 94 V-0 (for indirect backplane mounting); enclosed loose |
| 12   | -         | 1         | Centre horizontal rail, Al extrusion, anodised, conductive surfaces, with two threaded inserts, St, M2.5 and two insulation strips, PBT, UL 94 V-0                     |
| 13   | 1         | 1         | Rear panel with perforation, Al, 2.5 mm, anodised, with EMC sealing (textile) affixed                                                                                  |
| 14   | 2         | 2         | EMC support profile rear, Al extrusion, EMC sealing (textile) affixed                                                                                                  |
| 15   | 10/<br>20 | 10/<br>20 | Guide rail for 160 mm board length, PBT, UL 94 V-0, 28/<br>42 HP 10 pieces,<br>63/84 HP 20 pieces                                                                      |
| 16   | 1         | 1         | GND/earthing kit                                                                                                                                                       |
| 17   | 1         | 1         | Assembly kit                                                                                                                                                           |

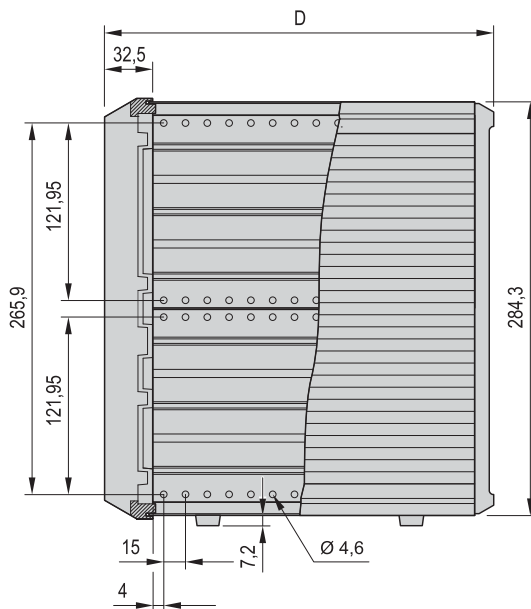
# Desk-top enclosure – PropacPRO

COMPLETE CASES, EMC SHIELDED



3 U

05809051



6 U

05806062

## ORDER INFORMATION

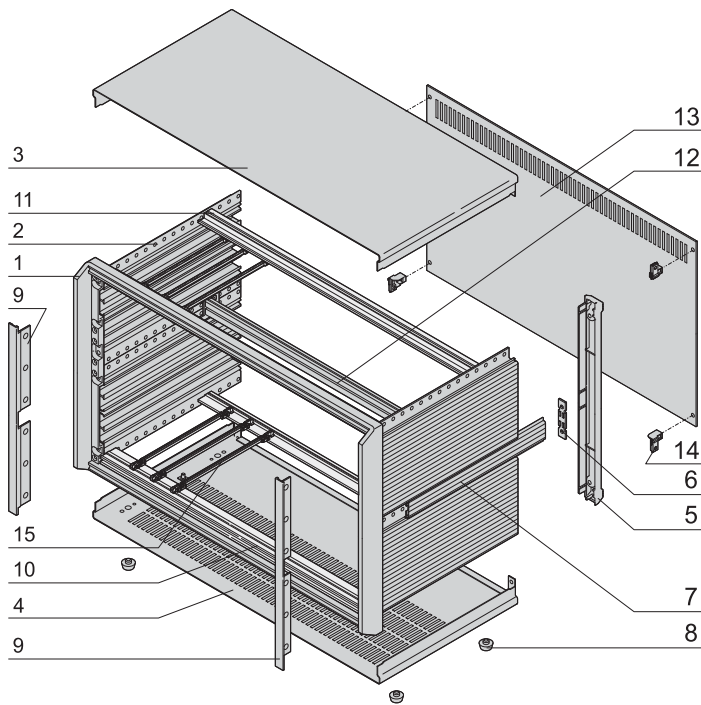
| Usable width |       | Width W1 | Depth D | Height | Part no.         |
|--------------|-------|----------|---------|--------|------------------|
| W2           | W2    | W1       | D       |        |                  |
| HP           | mm    | mm       | mm      | U      |                  |
| 28           | 147.3 | 185.9    | 266     | 3      | <b>24576-101</b> |
| 28           | 147.3 | 185.9    | 326     | 3      | <b>24576-102</b> |
| 42           | 218.4 | 257      | 266     | 3      | <b>24576-103</b> |
| 42           | 218.4 | 257      | 326     | 3      | <b>24576-104</b> |
| 42           | 218.4 | 257      | 386     | 3      | <b>24576-105</b> |
| 63           | 325.1 | 363.7    | 266     | 3      | <b>24576-106</b> |
| 63           | 325.1 | 363.7    | 326     | 3      | <b>24576-107</b> |
| 63           | 325.1 | 363.7    | 386     | 3      | <b>24576-108</b> |
| 84           | 431.8 | 470.3    | 266     | 3      | <b>24576-109</b> |
| 84           | 431.8 | 470.3    | 326     | 3      | <b>24576-110</b> |
| 84           | 431.8 | 470.3    | 386     | 3      | <b>24576-111</b> |
| 84           | 431.8 | 470.3    | 446     | 3      | <b>24576-112</b> |
| 84           | 431.8 | 470.3    | 506     | 3      | <b>24576-113</b> |
| 84           | 431.8 | 470.3    | 326     | 6      | <b>24576-121</b> |
| 84           | 431.8 | 470.3    | 446     | 6      | <b>24576-122</b> |

## NOTE

- Dimension drawings of side panel see from page 5.53

# Desk-top enclosure – PropacPRO

## COMPLETE CASES, UNSHIELDED



Maximum mounting depth = D - 45  
(Distance: front panel - rear panel)

05806105

- Desk-top case with pre-configured components, in accordance with IEC 60297-3-101; prepared for 19" components such as plug-in units and eu-roboards
- Ventilation slots in base plate
- Rear panel perforated

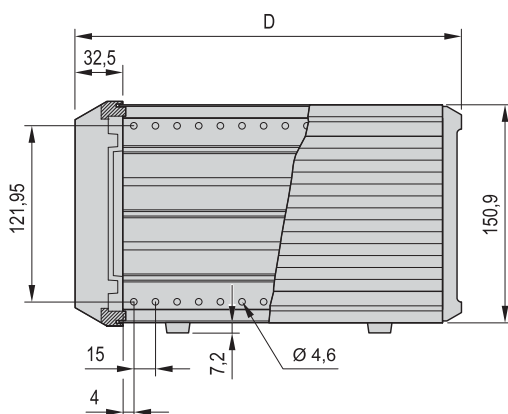
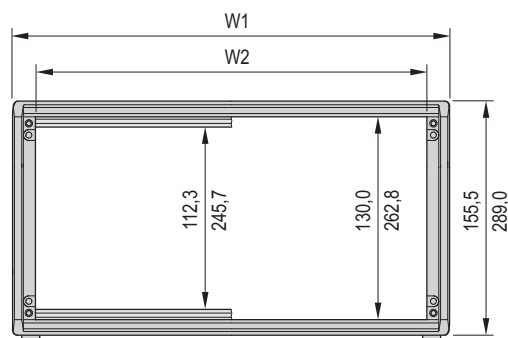
### DELIVERY COMPRISES (Items 1-7, 9 and 10 fitted)

| Item | Qty       |           | Description                                                                                                                                                    |
|------|-----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3 U       | 6 U       |                                                                                                                                                                |
| 1    | 1         | 1         | Frame, Al die-cast, powder-coated, RAL 7016                                                                                                                    |
| 2    | 2         | 4         | Side panel, Al extrusion, powder-coated, RAL 9006                                                                                                              |
| 3    | 1         | 1         | Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag                                             |
| 4    | 1         | 1         | Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots |
| 5    | 2         | 2         | End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot for use in vertical position                                                               |
| 6    | -         | 2         | Adaptor bracket (only at 6 U)                                                                                                                                  |
| 7    | -         | 2         | Cover trim for side panel, Al extrusion, powder-coated, RAL 9006                                                                                               |
| 8    | 4         | 4         | Case foot with anti-slip protection, PC, black, UL 94 V-0                                                                                                      |
| 9    | 2         | 2         | Lateral trim, Al extrusion, visible surface painted, RAL 7016 with EMC sealing (textile)                                                                       |
| 10   | 2         | 2         | Horizontal rail, Al extrusion, with threaded insert, St, M2.5                                                                                                  |
| 11   | 2         | 2         | Rear horizontal rail, Al extrusion, with threaded insert, St, M2.5 and insulation strips, PBT, UL 94 V-0 (for indirect backplane mounting)                     |
| 12   | -         | 1         | Centre horizontal rail, Al extrusion, anodised, conductive surfaces, with two threaded inserts, St, M2.5 and two insulation strips, PBT, UL 94 V-0             |
| 13   | 1         | 1         | Rear panel with perforation, Al, anodised, 2 mm at 28, 42 and 63 HP, 2.5 mm at 84 HP                                                                           |
| 14   | 4         | 4         | Support member for rear panel, Zn die-cast                                                                                                                     |
| 15   | 10/<br>20 | 10/<br>20 | Guide rail for 160 mm board length, PBT, UL 94 V-0, 28/42 HP 10 pieces, 63/84 HP 20 pieces                                                                     |
| 16   | 1         | 1         | GND/earthing kit                                                                                                                                               |
| 17   | 1         | 1         | Assembly kit                                                                                                                                                   |



# Desk-top enclosure – PropacPRO

COMPLETE CASES, UNSHIELDED



05809051

## ORDER INFORMATION

| Usable width |       | Width W1 | Depth D | Height | Part no.         |
|--------------|-------|----------|---------|--------|------------------|
| W2           | W2    |          |         |        |                  |
| HP           | mm    | mm       | mm      | U      |                  |
| 28           | 147.3 | 185.9    | 266     | 3      | <b>24576-001</b> |
| 28           | 147.3 | 185.9    | 326     | 3      | <b>24576-002</b> |
| 42           | 218.4 | 257      | 266     | 3      | <b>24576-003</b> |
| 42           | 218.4 | 257      | 326     | 3      | <b>24576-004</b> |
| 42           | 218.4 | 257      | 386     | 3      | <b>24576-005</b> |
| 63           | 325.1 | 363.7    | 266     | 3      | <b>24576-006</b> |
| 63           | 325.1 | 363.7    | 326     | 3      | <b>24576-007</b> |
| 63           | 325.1 | 363.7    | 386     | 3      | <b>24576-008</b> |
| 84           | 431.8 | 470.3    | 266     | 3      | <b>24576-009</b> |
| 84           | 431.8 | 470.3    | 326     | 3      | <b>24576-010</b> |
| 84           | 431.8 | 470.3    | 386     | 3      | <b>24576-011</b> |
| 84           | 431.8 | 470.3    | 446     | 3      | <b>24576-012</b> |
| 84           | 431.8 | 470.3    | 506     | 3      | <b>24576-013</b> |
| 84           | 431.8 | 470.3    | 326     | 6      | <b>24576-021</b> |
| 84           | 431.8 | 470.3    | 446     | 6      | <b>24576-022</b> |

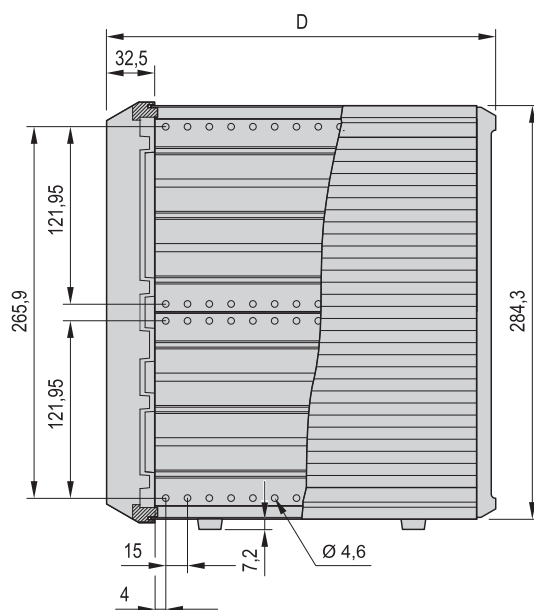
Maximum mounting depth = D - 45  
(Distance: front panel - rear panel)

## NOTE

- Dimension drawings of side panel see from page 5.53

3 U

05806060



6 U

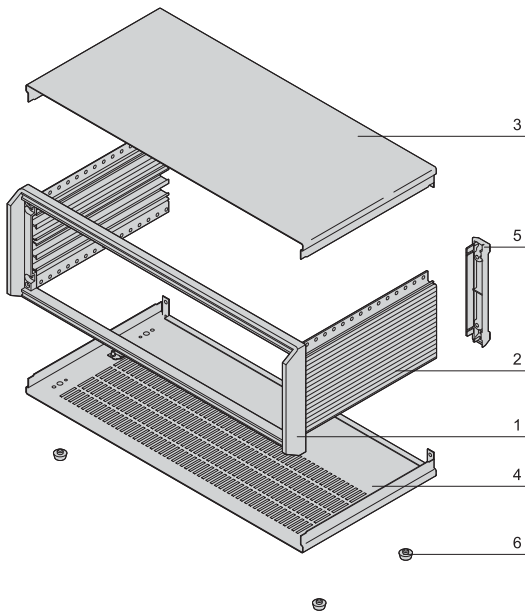
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# Desk-top enclosure – PropacPRO

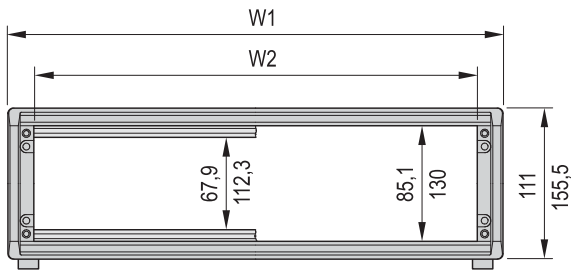
CASES, 2 AND 3 U, UNSHIELDED



05806001

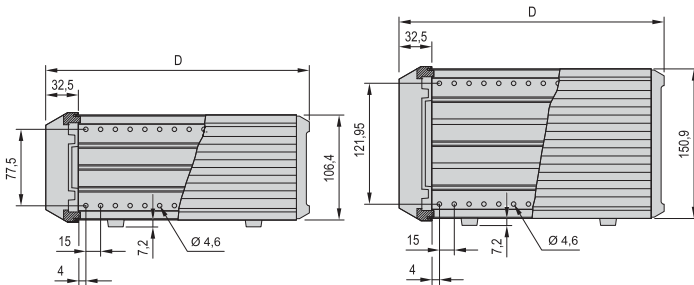


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05806077

Cross-section 2 U, 3 U



2 U

05806059

3 U

05806060

- Desk-top case with pre-configured components, in accordance with IEC 60297-3-101; prepared for 19" components such as plug-in units and euro-boards
- Ventilation slots in base plate
- Prepared for GND/earthing

## DELIVERY COMPRISES (kit, items 1 - 5 fitted)

| Item | Qty | Description                                                                                                                                                    |
|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 1   | Frame, Al die-cast, powder-coated, RAL 7016                                                                                                                    |
| 2    | 2   | Side panel, Al extrusion, powder-coated, RAL 9006                                                                                                              |
| 3    | 1   | Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag                                             |
| 4    | 1   | Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots |
| 5    | 2   | End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot for use in vertical position                                                               |
| 6    | 4   | Case foot with anti-slip protection, PC, black, UL 94 V-0                                                                                                      |
| 7    | 1   | Assembly kit                                                                                                                                                   |

## ORDER INFORMATION

| Usable width | Width W1 | Depth D | 2 U      | 3 U                               |
|--------------|----------|---------|----------|-----------------------------------|
| W2           | W2       |         | Part no. | Part no.                          |
| HP           | mm       | mm      |          |                                   |
| 28           | 147.3    | 185.9   | 266      | 14576-101                         |
| 28           | 147.3    | 185.9   | 326      | 14576-103                         |
| 42           | 218.4    | 257     | 266      | <b>14576-021</b> <b>14576-121</b> |
| 42           | 218.4    | 257     | 326      | <b>14576-023</b> <b>14576-123</b> |
| 42           | 218.4    | 257     | 386      | <b>14576-125</b>                  |
| 63           | 325.1    | 363.7   | 266      | 14576-041 14576-141               |
| 63           | 325.1    | 363.7   | 326      | 14576-043 14576-143               |
| 63           | 325.1    | 363.7   | 386      | <b>14576-045</b> 14576-145        |
| 84           | 431.8    | 470.3   | 266      | 14576-161                         |
| 84           | 431.8    | 470.3   | 326      | <b>14576-163</b>                  |
| 84           | 431.8    | 470.3   | 386      | 14576-165                         |
| 84           | 431.8    | 470.3   | 446      | 14576-167                         |
| 84           | 431.8    | 470.3   | 506      | 14576-169                         |

## Accessories

GND/earthing kit Cu wire 1.5 mm<sup>2</sup>, PVC sleeve, green/yellow, links side panels, base, cover and rear panel, PU 1 **21102-001** piece

Maximum mounting depth = D - 45  
(Distance: front panel - rear panel)

## NOTE

- Case, 3 U with side panel for tip-up carrying handle, see page 5.52
- Dimensions see page 5.48
- Dimensions side panel, see page 5.53



# Desk-top enclosure – PropacPRO

CASES, 4 AND 6 U, UNSHIELDED



- Desk-top case with pre-configured components, in accordance with IEC 60297-3-101; prepared for 19" components such as plug-in units and euroboards
- Ventilation slots in base plate
- Prepared for GND/earthing

## DELIVERY COMPRISES (kit, items 1 - 6 fitted)

| Item | Qty | 4 U | 6 U | Description                                                                                                                                                    |
|------|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 1   | 1   |     | Frame, Al die-cast, powder-coated, RAL 7016                                                                                                                    |
| 2    | 2   | 4   |     | Side panel, Al extrusion, powder-coated, RAL 9006                                                                                                              |
| 3    | 1   | 1   |     | Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag                                             |
| 4    | 1   | 1   |     | Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots |
| 5    | 2   | 2   |     | End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot for use in vertical position                                                               |
| 6    | —   | 2   |     | Adaptor bracket, Al                                                                                                                                            |
| 7    | 2   | 2   |     | Cover trim for side panel, Al extrusion, powder-coated, RAL 9006                                                                                               |
| 8    | 4   | 4   |     | Case foot with anti-slip protection, PC, black, UL 94 V-0                                                                                                      |
| 9    | 1   | 1   |     | Assembly kit                                                                                                                                                   |

## ORDER INFORMATION

| Usable width |       | Width W1 | Depth D | 4 U              | 6 U       |
|--------------|-------|----------|---------|------------------|-----------|
| W2           | W2    |          |         | Part no.         | Part no.  |
| HP           | mm    | mm       | mm      |                  |           |
| 42           | 218.4 | 257      | 266     | 14576-221        | —         |
| 42           | 218.4 | 257      | 326     | 14576-223        | —         |
| 63           | 325.1 | 363.7    | 266     | 14576-241        | —         |
| 63           | 325.1 | 363.7    | 326     | 14576-243        | —         |
| 63           | 325.1 | 363.7    | 386     | <b>14576-245</b> | —         |
| 63           | 325.1 | 363.7    | 446     | 14576-247        | —         |
| 84           | 431.8 | 470.3    | 326     | —                | 14576-463 |
| 84           | 431.8 | 470.3    | 386     | 14576-265        | 14576-465 |
| 84           | 431.8 | 470.3    | 446     | 14576-267        | 14576-467 |
| 84           | 431.8 | 470.3    | 506     | 14576-269        | 14576-469 |

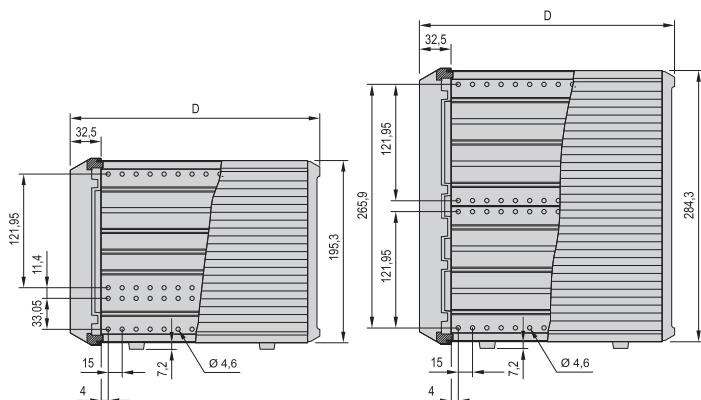
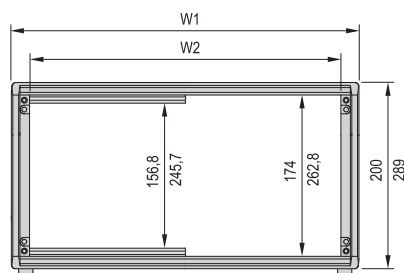
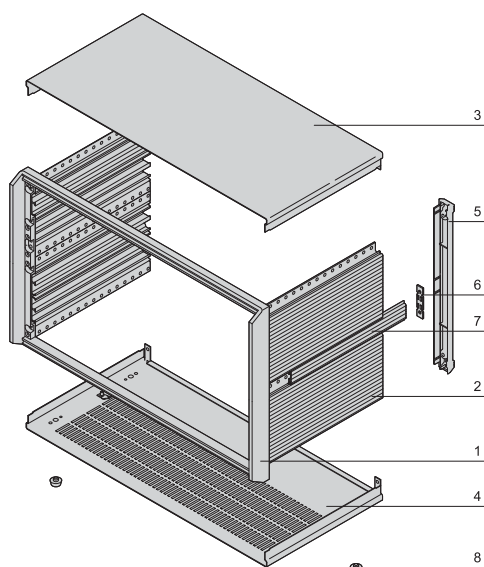
## Accessories

GND/earthing kit Cu wire 1.5 mm<sup>2</sup>, PVC sleeve, green/yellow, links side panels, base, cover and rear panel, PU 1 piece **21102-001**

Maximum mounting depth = D - 45  
(Distance: front panel - rear panel)

## NOTE

- Case, 4 U with side panel for tip-up carrying handle, see page 5.52
- Dimensions side panel, see page 5.53



4 U

6 U

# Desk-top enclosure – PropacPRO

## 3 U AND 4 U CASES, UNSHIELDED, WITH HOLES FOR TIP-UP CARRYING HANDLE



- Desk-top case with pre-configured components, in accordance with IEC 60297-3-101; prepared for 19" components such as plug-in units and euroboards
- Ventilation slots in base plate
- Prepared for GND/earthing
- Prepared for fitting of tip-up carrying handle

### DELIVERY COMPRISES (kit, items 1 - 6 fitted)

| Item | Qty | 3 U | 4 U | Description                                                                                                                                                    |
|------|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 1   | 1   |     | Frame, Al die-cast, powder-coated, RAL 7016                                                                                                                    |
| 2    | 2   | 4   |     | Side panel, Al extrusion, powder-coated, RAL 9006; with drill holes for tip-up carrying handle                                                                 |
| 3    | 1   | 1   |     | Cover plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag                                             |
| 4    | 1   | 1   |     | Base plate, Al, 1 mm, internal surface conductive, visible surface powder-coated, RAL 9006, with GND/earthing tag, base plate with 4 rows of ventilation slots |
| 5    | 2   | 2   |     | End piece for rear, ABS, RAL 7016, UL 94 V-0; can be used as a foot for use in vertical position                                                               |
| 6    | —   | 2   |     | Cover trim for side panel, Al extrusion, powder-coated, RAL 9006                                                                                               |
| 7    | 4   | 4   |     | Case foot with anti-slip protection, PC, black, UL 94 V-0                                                                                                      |
| 8    | 1   | 1   |     | Assembly kit                                                                                                                                                   |

### ORDER INFORMATION

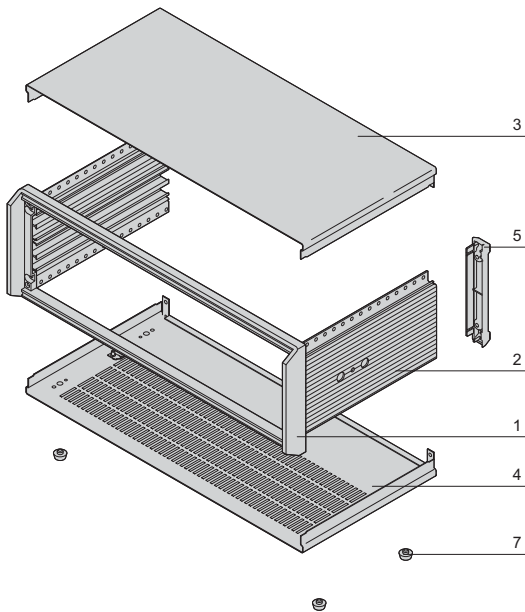
| Usable width |       | Width W1 | Depth D | 3 U       | 4 U       |
|--------------|-------|----------|---------|-----------|-----------|
| W2           | W2    |          |         | Part no.  | Part no.  |
| HP           | mm    | mm       | mm      |           |           |
| 42           | 218.4 | 257.0    | 326     | 14577-123 | 14577-223 |
| 42           | 218.4 | 257.0    | 386     | 14577-125 | —         |
| 63           | 325.1 | 363.7    | 326     | 14577-143 | 14577-243 |
| 63           | 325.1 | 363.7    | 386     | 14577-145 | 14577-245 |
| 84           | 431.8 | 470.3    | 326     | 14577-163 | —         |
| 84           | 431.8 | 470.3    | 386     | 14577-165 | 14577-265 |

### Accessories

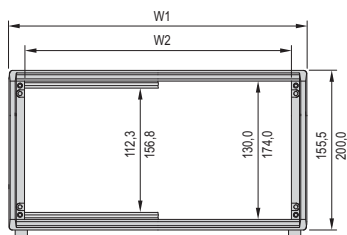
|                                                                                                                                    |                  |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|
| GND/earthing kit Cu wire 1.5 mm <sup>2</sup> , PVC sleeve, green/yellow, links side panels, base, cover and rear panel, PU 1 piece | <b>21102-001</b> |
| Tip-up carrying handle for 42 HP case width, PU 1 kit                                                                              | <b>24576-071</b> |
| Tip-up carrying handle for 63 HP case width, PU 1 kit                                                                              | <b>24576-072</b> |
| Tip-up carrying handle for 84 HP case width, PU 1 kit                                                                              | <b>24576-073</b> |

### NOTE

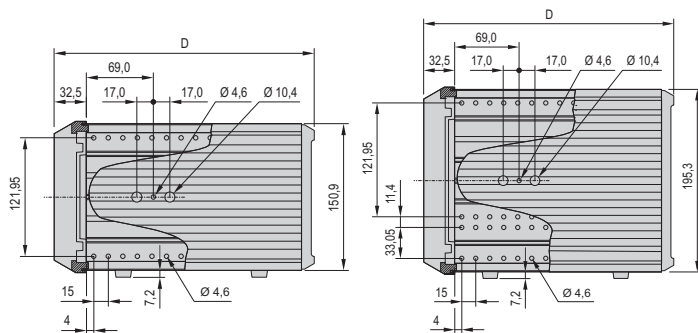
- Dimensions see page 5.48
- Dimensions side panel, see page 5.53



05812050



05812051



05812052

05812053

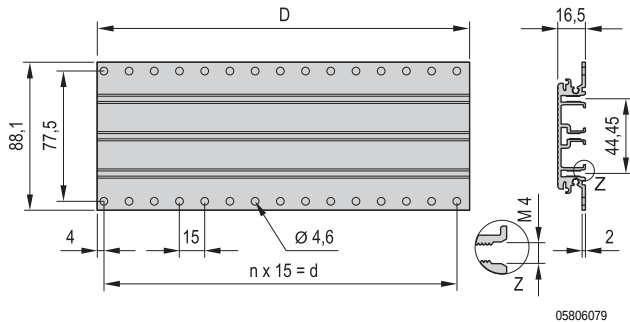
3 U

4 U

# Desk-top enclosure – PropacPRO

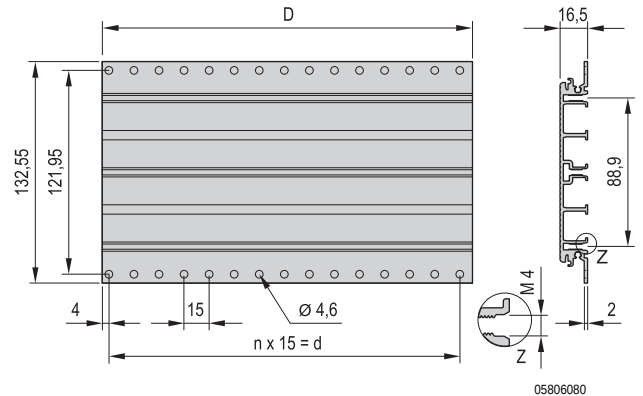
## DIMENSIONS

Extruded side panel 2 U



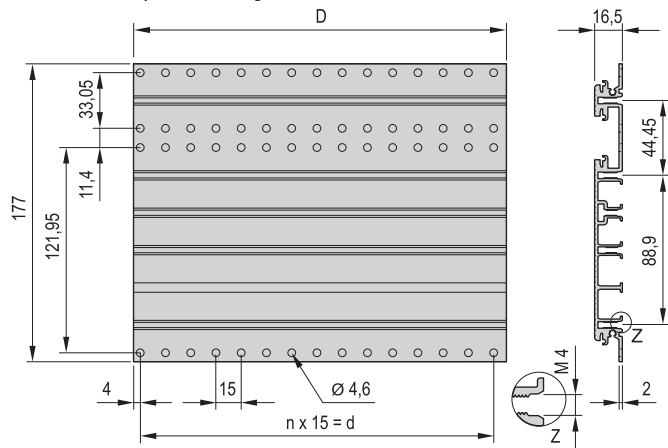
05806079

Extruded side panel 3 U



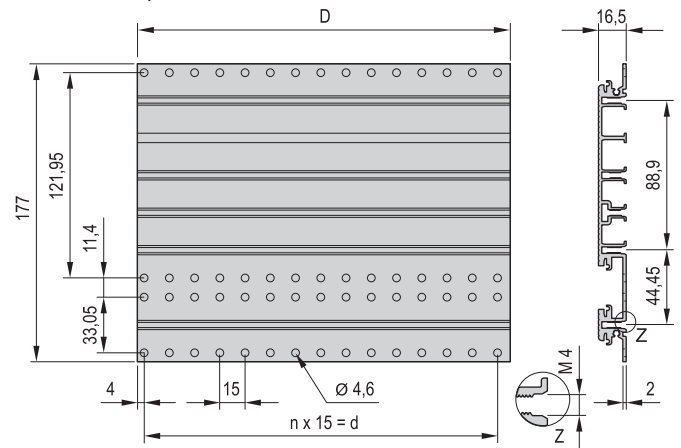
05806080

Extruded side panel 4 U, right



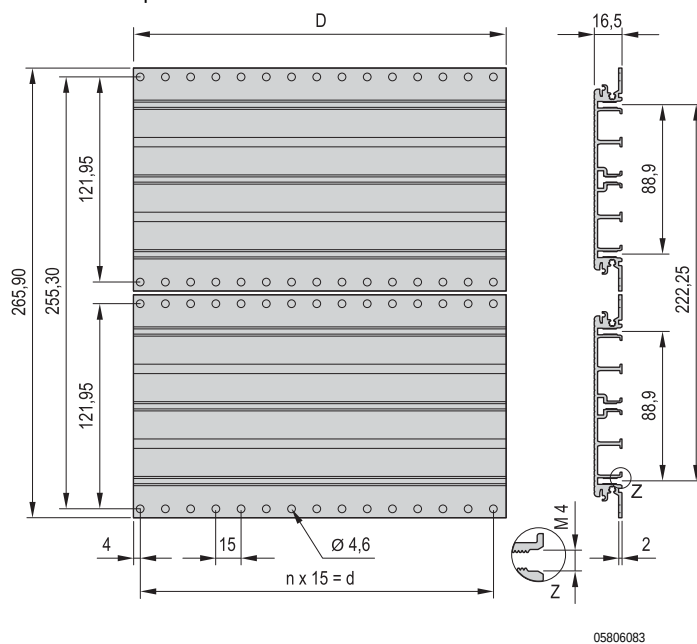
05806081

Extruded side panel 4 U, left



05806082

Extruded side panel 6 U



05806083

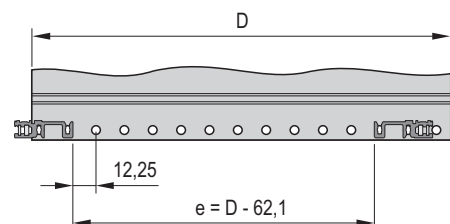
Dimensions table

| For case depth | D     | d   | n  |
|----------------|-------|-----|----|
| mm             | mm    | mm  |    |
| 266            | 221.6 | 210 | 14 |
| 326            | 281.6 | 270 | 18 |
| 386            | 341.6 | 330 | 22 |
| 446            | 401.6 | 390 | 26 |
| 506            | 461.6 | 450 | 30 |

### Note

A side panel for case 6 U consists of 2 pieces 3 U extruded side panels

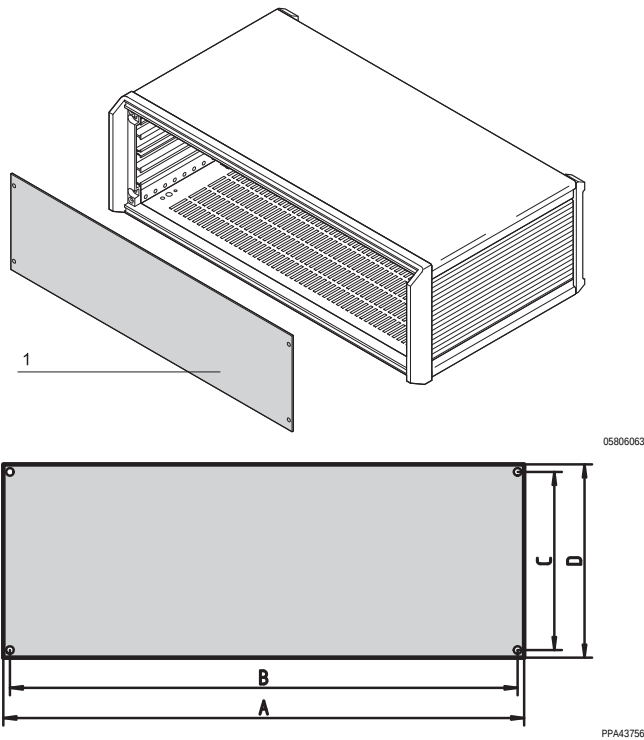
Side panel with horizontal rail



05806107

# Desk-top enclosure – PropacPRO

## FRONT PANEL, UNSHIELDED, FOR MOUNTING ON CASE FRAME



### DELIVERY COMPRISES

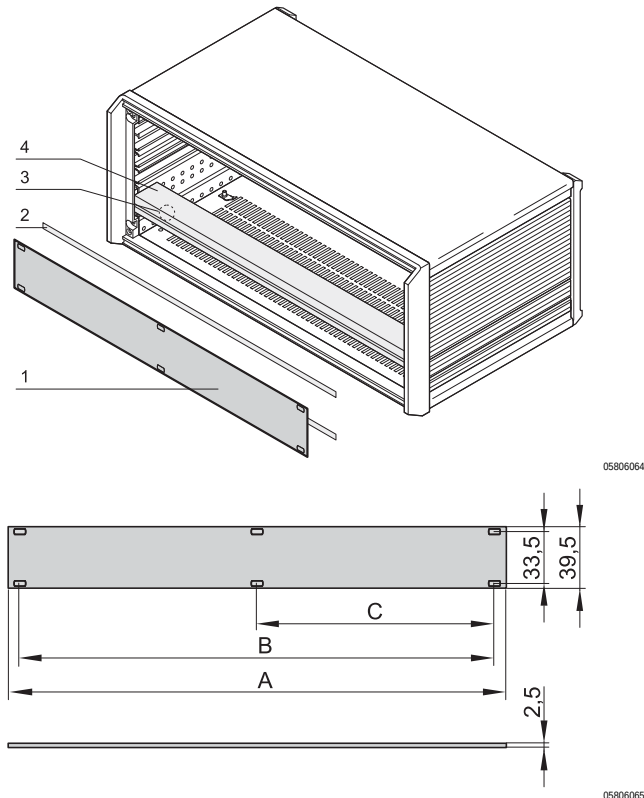
| Item | Qty | Description                                                                     |
|------|-----|---------------------------------------------------------------------------------|
| 1    | 1   | Full-width front panel, Al, 2 mm (on 84 HP = 2.5 mm), anodised, cut edges plain |
| 2    | 1   | Assembly kit                                                                    |

### ORDER INFORMATION

| For case height U | For case width HP | A mm  | B mm  | C mm  | D mm  | Part no.         |
|-------------------|-------------------|-------|-------|-------|-------|------------------|
| 2                 | 42                | 238.7 | 230.0 | 74.0  | 84.0  | <b>20850-128</b> |
| 2                 | 63                | 345.4 | 336.7 | 74.0  | 84.0  | <b>20850-129</b> |
| 2                 | 84                | 452.0 | 443.3 | 74.0  | 84.0  | 20850-130        |
| 3                 | 28                | 167.6 | 158.9 | 118.5 | 128.5 | <b>20850-134</b> |
| 3                 | 42                | 238.7 | 230.0 | 118.5 | 128.5 | <b>20850-135</b> |
| 3                 | 63                | 345.4 | 336.7 | 118.5 | 128.5 | <b>20850-136</b> |
| 3                 | 84                | 452.0 | 443.3 | 118.5 | 128.5 | <b>20850-137</b> |
| 4                 | 42                | 238.7 | 230.0 | 162.9 | 172.9 | <b>20850-142</b> |
| 4                 | 63                | 345.4 | 336.7 | 162.9 | 172.9 | <b>20850-143</b> |
| 4                 | 84                | 452.0 | 443.3 | 162.9 | 172.9 | <b>20850-144</b> |
| 6                 | 84                | 452.0 | 443.3 | 251.8 | 261.8 | <b>20850-158</b> |

- EMC front panel see chapter Front Panels, page 7.7

## FRONT PANEL, 1 U, UNSHIELDED, FOR 4 U CASE, FOR MOUNTING ON HORIZONTAL RAILS



### DELIVERY COMPRISES

| Item | Qty | Description                                                              |
|------|-----|--------------------------------------------------------------------------|
| 1    | 1   | Front panel, Al, 2.5 mm, front anodised, rear iridescent green chromated |

### ORDER INFORMATION

| Width HP | A mm  | B mm  | C mm  | Front panel Part no. |
|----------|-------|-------|-------|----------------------|
| 28       | 141.9 | 127.0 | –     | <b>20850-423</b>     |
| 42       | 213.0 | 198.1 | 101.6 | <b>20850-424</b>     |
| 63       | 319.7 | 304.8 | 157.5 | <b>20850-425</b>     |
| 84       | 426.4 | 411.5 | 203.2 | <b>20850-426</b>     |

### NOTE

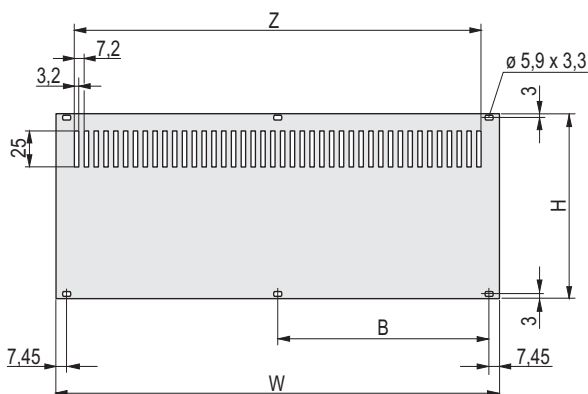
- Please order items 2, 3 and 4 separately

| Width HP | Item 2<br>EMC gasket, front panel/horizontal rail<br>PU 10 pieces<br>Part no. | Item 3<br>EMC gasketing kit horizontal rails, 1 piece<br>Part no. | Item 4<br>Horizontal rail type H-KD, 1 piece (SPQ 10)1<br>Part no. |
|----------|-------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|
| 28       | <b>24560-229</b>                                                              | <b>24562-528</b>                                                  | <b>34560-228</b>                                                   |
| 42       | <b>24560-231</b>                                                              | <b>24562-542</b>                                                  | <b>34560-242</b>                                                   |
| 63       | <b>24560-233</b>                                                              | <b>24562-563</b>                                                  | <b>34560-263</b>                                                   |
| 84       | <b>24560-235</b>                                                              | <b>24562-584</b>                                                  | <b>34560-284</b>                                                   |

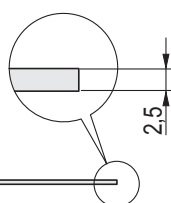
1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

# Desk-top enclosure – PropacPRO

## REAR PANEL, PERFORATED, FOR MOUNTING ON HORIZONTAL RAILS

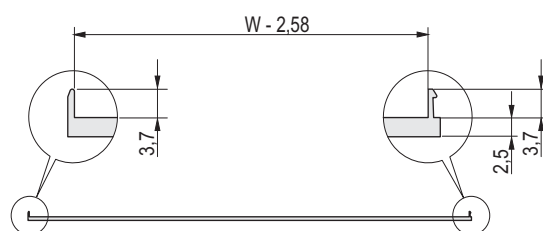


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01804050

Unshielded



01802055

Shieldable

- Two versions: unshielded, Al, 2.5 mm shieldable, Al extrusion (textile EMC gasketing retrofittable)

### DELIVERY COMPRISES

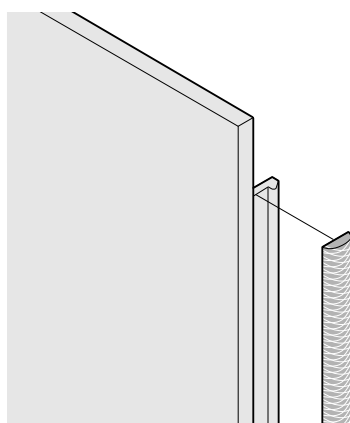
| Item | Qty | Description                                                                                                                    |
|------|-----|--------------------------------------------------------------------------------------------------------------------------------|
| 1    | 1   | Rear panel, Al, 2.5 mm, front: anodised, rear: iridescent green chromated; unshielded or shieldable with EMC sealing (textile) |

### ORDER INFORMATION

| Height U | H mm  | Width W HP mm | B mm  | h mm  | unshielded Part no. | shieldable Part no. |                  |
|----------|-------|---------------|-------|-------|---------------------|---------------------|------------------|
| 2        | 84    | 28            | 141.9 | —     | 78                  | <b>30849-007</b>    | 20848-679        |
| 2        | 84    | 42            | 213   | 101.6 | 78                  | <b>30849-014</b>    | 20848-680        |
| 2        | 84    | 63            | 319.7 | 157.5 | 78                  | <b>30849-015</b>    | 20848-681        |
| 2        | 84    | 84            | 426.4 | 208.3 | 78                  | <b>30849-016</b>    | 20848-682        |
| 3        | 128.4 | 28            | 141.9 | —     | 122.4               | <b>30849-008</b>    | <b>20848-633</b> |
| 3        | 128.4 | 42            | 213   | 101.6 | 122.4               | <b>30849-021</b>    | 20848-634        |
| 3        | 128.4 | 63            | 319.7 | 157.5 | 122.4               | <b>30849-022</b>    | 20848-635        |
| 3        | 128.4 | 84            | 426.4 | 208.3 | 122.4               | <b>30849-023</b>    | <b>20848-636</b> |
| 4        | 172.9 | 28            | 141.9 | —     | 166.9               | <b>30849-009</b>    | 20848-656        |
| 4        | 172.9 | 42            | 213   | 101.6 | 166.9               | <b>30849-028</b>    | 20848-657        |
| 4        | 172.9 | 63            | 319.7 | 157.5 | 166.9               | <b>30849-029</b>    | 20848-658        |
| 4        | 172.9 | 84            | 426.4 | 208.3 | 166.9               | <b>30849-030</b>    | 20848-659        |
| 6        | 261.8 | 28            | 141.9 | —     | 255.8               | <b>30849-010</b>    | 20848-640        |
| 6        | 261.8 | 42            | 213   | 101.6 | 255.8               | <b>30849-035</b>    | <b>20848-641</b> |
| 6        | 261.8 | 63            | 319.7 | 157.5 | 255.8               | <b>30849-036</b>    | 20848-642        |
| 6        | 261.8 | 84            | 426.4 | 208.3 | 255.8               | <b>30849-037</b>    | <b>20848-643</b> |

- Please order textile EMC gasket separately
- EMC gasket rear panel - horizontal rail see page 5.65
- Horizontal rails see page 5.67
- Assembly parts see page 6.63

## TEXTILE EMC GASKET



04602054

- The textile EMC gasket is glue fixed laterally on the front panel, always in the groove on the right-hand side of the profile
- Temperature range -40 °C ... +70 °C

### DELIVERY COMPRISES ()

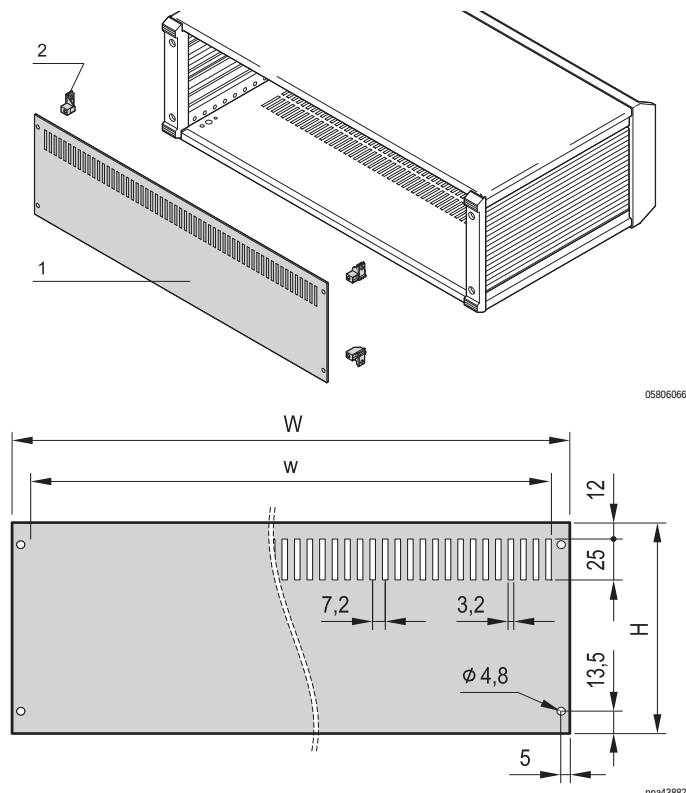
| Item | Qty    | Description                                                                |
|------|--------|----------------------------------------------------------------------------|
| 1    | 10/100 | Textile EMC gasket, core: foam, sleeve: textile cladding with CuNi coating |

### ORDER INFORMATION

| Height U | Height mm | Qty/PU pieces | Part no.         |
|----------|-----------|---------------|------------------|
| 2        | 52        | 10            | <b>21101-857</b> |
| 3        | 97        | 100           | <b>21101-854</b> |
| 3        | 97        | 10            | <b>21101-853</b> |
| 4        | 142       | 10            | <b>21101-858</b> |
| 6        | 232       | 100           | <b>21101-856</b> |
| 6        | 232       | 10            | <b>21101-855</b> |

# Desk-top enclosure – PropacPRO

## REAR PANEL, UNSHIELDED, FOR MOUNTING ON CASE FRAME



- Mounting with support brackets on case (right and left)
- Versions with and without perforation

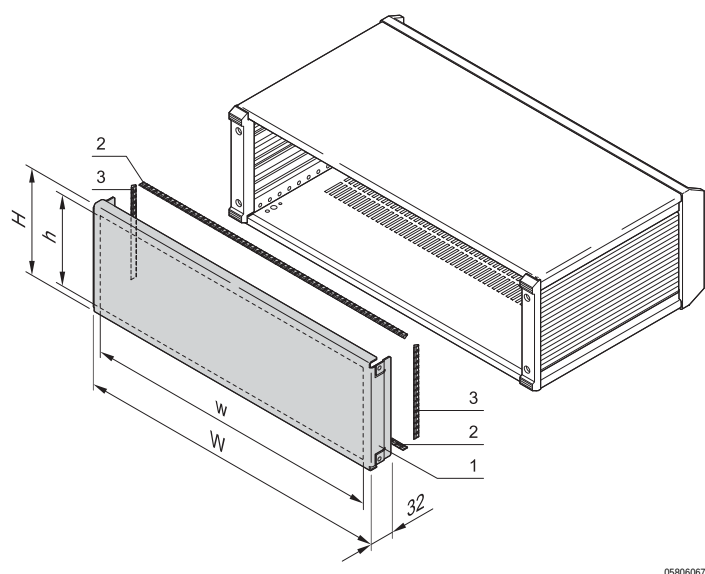
### DELIVERY COMPRISES

| Item | Qty | Description                                                                                                        |
|------|-----|--------------------------------------------------------------------------------------------------------------------|
| 1    | 1   | Full-width rear panel, Al, anodised, cut edges blank<br>28, 42, 63 HP = 2 mm thickness<br>84 HP = 2.5 mm thickness |
| 2    | 4   | Support member, Zn die-cast                                                                                        |
| 3    | 1   | Assembly kit                                                                                                       |

### ORDER INFORMATION

| Height U | H mm  | Width W HP | w mm | With perforation Part no. | Without perforation Part no. |
|----------|-------|------------|------|---------------------------|------------------------------|
| 2        | 84    | 42         | 213  | 24576-144                 | 24576-044                    |
| 2        | 84    | 63         | 320  | 24576-145                 | 24576-045                    |
| 2        | 84    | 84         | 426  | 24576-146                 | 24576-046                    |
| 3        | 128.5 | 28         | 142  | 24576-147                 | 24576-047                    |
| 3        | 128.5 | 42         | 213  | 24576-148                 | 24576-048                    |
| 3        | 128.5 | 63         | 320  | 24576-149                 | 24576-049                    |
| 3        | 128.5 | 84         | 426  | 24576-150                 | 24576-050                    |
| 4        | 172.9 | 42         | 213  | 24576-152                 | 24576-052                    |
| 4        | 172.9 | 63         | 320  | 24576-153                 | 24576-053                    |
| 4        | 172.9 | 84         | 426  | 24576-154                 | 24576-054                    |
| 6        | 261.8 | 84         | 426  | 24576-158                 | 24576-058                    |

## REAR PANEL, SHIELDED, FOR MOUNTING ON CASE FRAME



- Mounts on case (left, right)
- Without perforation

### DELIVERY COMPRISES

| Item | Qty | Description                                                                                                |
|------|-----|------------------------------------------------------------------------------------------------------------|
| 1    | 1   | Full-width EMC rear panel, Al 1.5 mm, passivated, with GND/earthing connection (Faston 6.3 mm)             |
| 2    | 2   | Textile EMC gasketing, for mounting top and bottom, core: foam, sleeve: textile cladding with CuNi coating |
| 3    | 2   | Textile EMC gasketing, for mounting left and right, core: foam, sleeve: textile cladding with CuNi coating |
| 4    | 1   | Assembly kit                                                                                               |

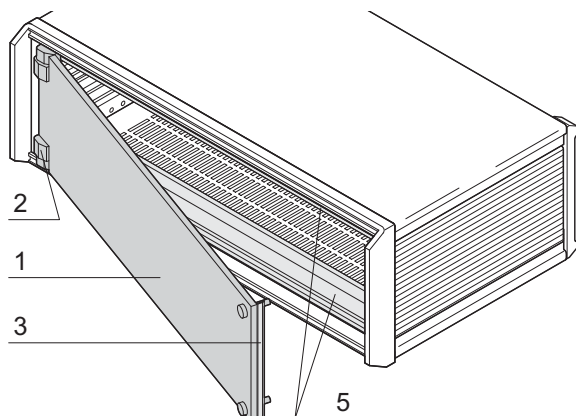
### ORDER INFORMATION

| Height U | H mm  | Height h mm | Width W HP | w mm  | Part no.  |
|----------|-------|-------------|------------|-------|-----------|
| 2        | 101.5 | 84          | 42         | 217.9 | 24576-244 |
| 2        | 101.5 | 84          | 63         | 324.6 | 24576-245 |
| 3        | 146   | 128.4       | 28         | 146.8 | 24576-247 |
| 3        | 146   | 128.4       | 42         | 217.9 | 24576-248 |
| 3        | 146   | 128.4       | 63         | 324.6 | 24576-249 |
| 3        | 146   | 128.4       | 84         | 431.3 | 24576-250 |
| 4        | 190.4 | 172.9       | 42         | 217.9 | 24576-252 |
| 4        | 190.4 | 172.9       | 63         | 324.6 | 24576-253 |
| 4        | 190.4 | 172.9       | 84         | 431.3 | 24576-254 |
| 6        | 279.3 | 261.8       | 84         | 431.3 | 24576-258 |



# Desk-top enclosure – PropacPRO

## FRONT PANEL, HINGED, SHIELDED, FOR MOUNTING ON HORIZONTAL RAILS



- Front panel with textile EMC gasketing
- Hinges can be fitted left or right
- Suitable for europacPRO subrack and ratiopacPRO, compacPRO and propacPRO cases

### DELIVERY COMPRISES (kit)

| Item | Qty | Description                                                                      |
|------|-----|----------------------------------------------------------------------------------|
| 1    | 1   | Front panel, hinged, Al, 2.5 mm, front anodised, rear iridescent green chromated |
| 2    | 2   | Hinge, Zn die-cast, chrome-plated                                                |
| 3    | 1   | Textile EMC gasket<br>core: foam, sleeve: textile cladding with CuNi coating     |
| 4    | 1   | Assembly kit                                                                     |

05806102

### ORDER INFORMATION

| Height<br>U | Width<br>HP | H<br>mm | h<br>mm | W<br>mm | w<br>mm | Part no.         |
|-------------|-------------|---------|---------|---------|---------|------------------|
| 3           | 84          | 128.4   | 89.9    | 426.4   | 203.2   | <b>20848-611</b> |
| 6           | 84          | 261.8   | 223.2   | 426.4   | 203.2   | <b>20848-617</b> |

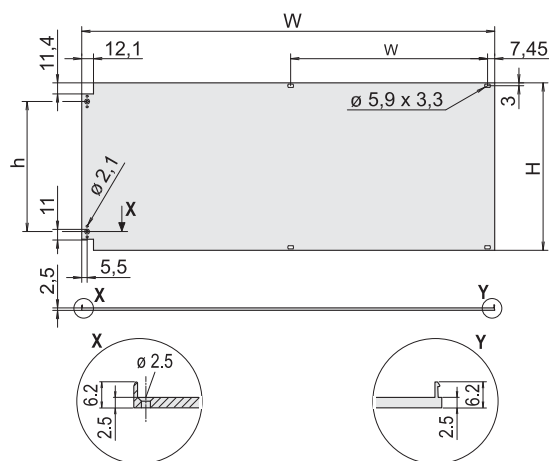
Item 5, Horizontal rail Type H-VT heavy duty, recessed mounting  
84 HP, 1 piece (SPQ 10)

**34560-784**

### NOTE

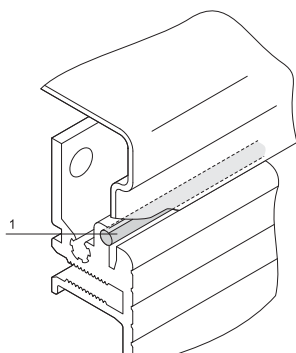
- Usable width reduced by 2 HP (hinged side)
- Horizontal rail (item 5) for front panel mounting is required, please order separately
- Lateral trim is necessary, please order separately, see page 5.59

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## EMC SIDE PANEL GASKET



- For EMC shielding between side panel and top cover or base plate (sufficient for at least 1 case)

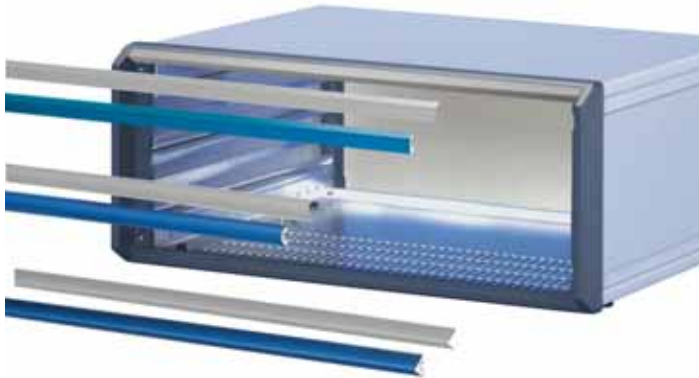
### ORDER INFORMATION

| Item | Description                                                      | Qty/PU | Part no.         |
|------|------------------------------------------------------------------|--------|------------------|
| 1    | Sealing cord, silicone, silver coated,<br>Ø 2.4 mm, length 2.1 m | 1      | <b>30850-354</b> |

05806068

# Desk-top enclosure – PropacPRO

## DESIGN ELEMENTS



05809002

- To individualise case design

### DELIVERY COMPRISES

| Qty | Description                                 |
|-----|---------------------------------------------|
| 1   | Design element, Al extrusion, powder-coated |
| 1   | Assembly kit                                |

### ORDER INFORMATION

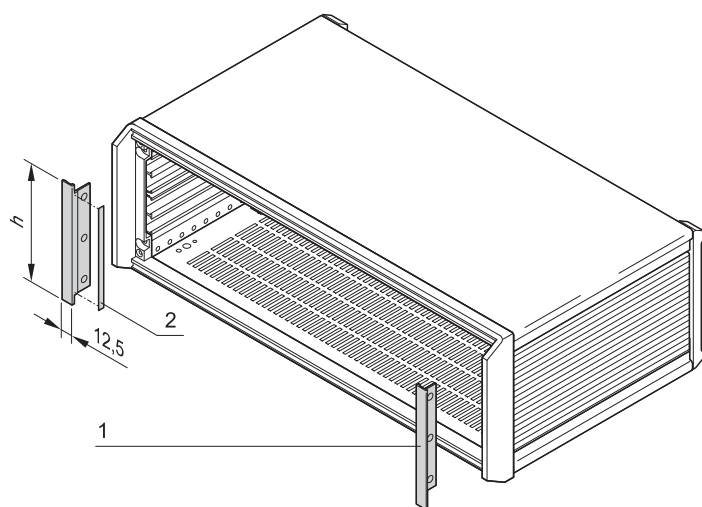
| Description | Width | Light grey<br>RAL 7035<br>Part no. | Brilliant blue<br>RAL 5007<br>Part no. |
|-------------|-------|------------------------------------|----------------------------------------|
| Form 1      | 42    | <b>20850-184</b>                   | <b>20850-299</b>                       |
|             | 63    | <b>20850-185</b>                   | <b>20850-300</b>                       |
|             | 84    | <b>20850-186</b>                   | <b>20850-301</b>                       |
| Form 2      | 42    | <b>20850-190</b>                   | <b>20850-315</b>                       |
|             | 63    | <b>20850-191</b>                   | <b>20850-316</b>                       |
|             | 84    | <b>20850-192</b>                   | <b>20850-317</b>                       |
| Form 3      | 42    | <b>20850-196</b>                   | <b>20850-331</b>                       |
|             | 63    | <b>20850-197</b>                   | <b>20850-332</b>                       |
|             | 84    | <b>20850-198</b>                   | <b>20850-333</b>                       |

### NOTE

- Size 28 HP and further colours available on request
- Cannot be combined with front hood

# Desk-top enclosure – PropacPRO

## TRIM, FRONT, FOR EMC SHIELDING



- For lateral covering of frame and for producing a continuous front with front panels and plug-in units
- Serves for lateral shielding of side panels simultaneously

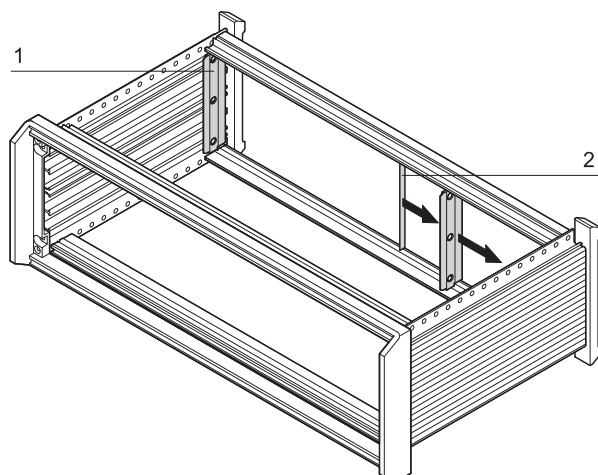
### DELIVERY COMPRISES (kit)

| Item | Qty | Description                                                  |
|------|-----|--------------------------------------------------------------|
| 1    | 2   | Lateral trim, Al extrusion, visible surface painted RAL 7016 |
| 2    | 1   | Textile EMC gasket                                           |
| 3    | 1   | Assembly kit                                                 |

### ORDER INFORMATION

| For case height<br>U | h<br>mm | Part no.         |
|----------------------|---------|------------------|
| 2                    | 84      | <b>24576-017</b> |
| 3                    | 128.5   | <b>24576-117</b> |
| 4                    | 172.9   | <b>24576-217</b> |
| 6                    | 261.8   | 24576-417        |

## TRIM, REAR, FOR EMC SHIELDING



- For vertical EMC shielding between shielded front panels and side panel

### DELIVERY COMPRISES

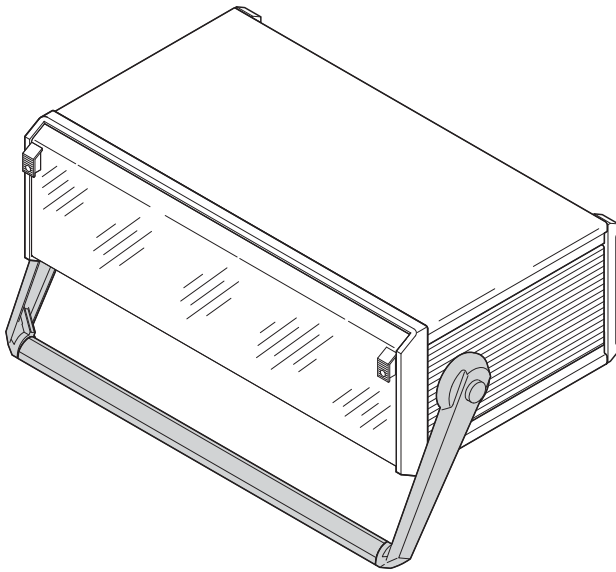
| Item | Qty | Description                     |
|------|-----|---------------------------------|
| 1    | 2   | EMC contact strip, Al extrusion |
| 2    | 1   | Textile EMC gasket              |
| 3    | 1   | Assembly kit                    |

### ORDER INFORMATION

| Height<br>U | Height<br>mm | Part no.         |
|-------------|--------------|------------------|
| 2           | 65.55        | <b>24576-018</b> |
| 3           | 110          | <b>24576-118</b> |
| 4           | 154.45       | <b>24576-218</b> |
| 6           | 243.35       | 24576-418        |

# Desk-top enclosure – PropacPRO

## TIP-UP CARRYING HANDLE



05806101

- With powder-coated carrying bar
- Can be locked in 30° increments
- Load-carrying capacity 20 kg

### DELIVERY COMPRISES (Kit)

| Item | Qty | Description                                                  |
|------|-----|--------------------------------------------------------------|
| 1    | 1   | Carrying bar, Al extrusion, powder-coated, RAL 7016          |
| 2    | 2   | Handle side part, Zn, die-cast, powder-coated, length 180 mm |
| 3    | 2   | Safety insert, St, 1.5 mm, black                             |
| 4    | 1   | Assembly kit for side panel mounting                         |

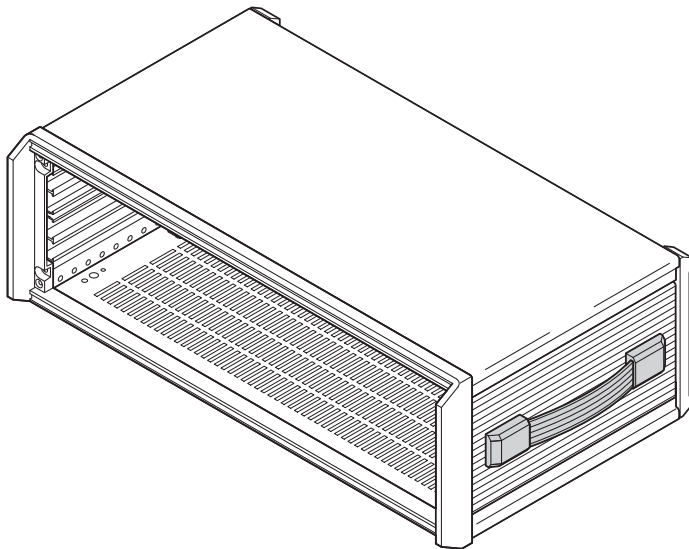
### ORDER INFORMATION

| For case width<br>HP | Part no.         |
|----------------------|------------------|
| 28                   | <b>24576-070</b> |
| 42                   | <b>24576-071</b> |
| 63                   | <b>24576-072</b> |
| 84                   | <b>24576-073</b> |

### NOTE

- To fit the tip-up carrying handle, holes must be drilled in the side panel
- Readily prepared cases (3 U and 4 U), for mounting the tip-up carrying handle see page 5.52

## STRAP HANDLE



05806098

- Load-carrying capacity: 20 kg

### DELIVERY COMPRISES (Kit)

| Item | Qty | Description                                                  |
|------|-----|--------------------------------------------------------------|
| 1    | 1   | Band, spring steel, handle, flexible plastic, grey, RAL 7016 |
| 2    | 2   | Cover, grey, RAL 7016                                        |
| 3    | 1   | Assembly kit                                                 |

### ORDER INFORMATION

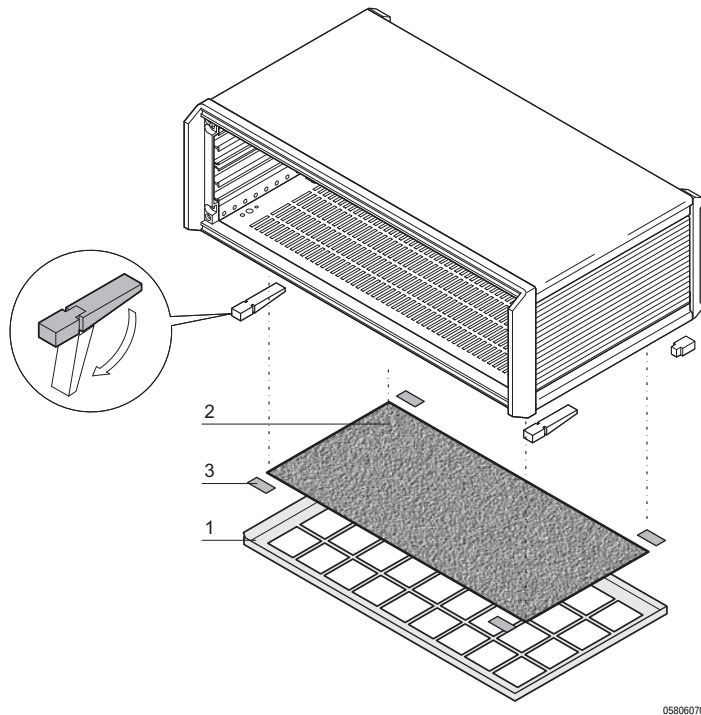
| Description               | Part no.         |
|---------------------------|------------------|
| Strap handle with adaptor | <b>20850-249</b> |

### NOTE

- Holes must be drilled into the side panels to fix the strap handle
- Side panels with holes already drilled available on request
- Usable from case depth of D = 326 mm

# Desk-top enclosure – PropacPRO

## AIR FILTER



- Subsequent mounting possible without modification or tools
- Filter change without opening the case, IP protection code not affected

### DELIVERY COMPRISES (Kit)

| Item | Qty | Description                                      |
|------|-----|--------------------------------------------------|
| 1    | 1   | Filter holder, Al, 1 mm, powder-coated, RAL 9006 |
| 2    | 1   | Filter mat, synthetic fibre                      |
| 3    | 1   | Velcro                                           |

### ORDER INFORMATION

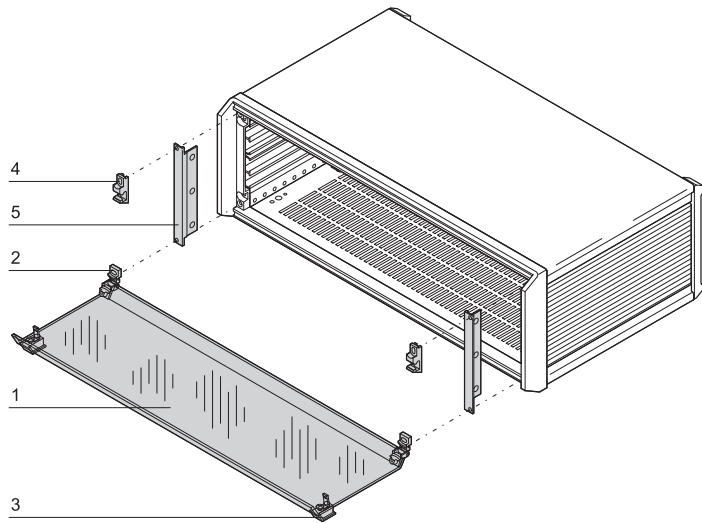
| For case width                                                | Air filter       | Replacement filter 1 piece |
|---------------------------------------------------------------|------------------|----------------------------|
| HP                                                            | Part no.         | Part no.                   |
| 28                                                            | <b>24576-093</b> | <b>64571-033</b>           |
| 42                                                            | <b>24576-094</b> | <b>64571-034</b>           |
| 63                                                            | <b>24576-095</b> | <b>64571-035</b>           |
| 84                                                            | <b>24576-096</b> | <b>64571-036</b>           |
| Tip-up foot in plastic silver, similar to RAL 9006, 4 pieces  |                  | <b>20603-001</b>           |
| Plastic tip-up foot anthracite, similar to RAL 7016, 4 pieces |                  | <b>20603-002</b>           |

### NOTE

- For optimum ventilation feet must be fixed to the case, please order separately

# Desk-top enclosure – PropacPRO

## FRONT HOOD 3 U



- From acrylic glass, hinged, removable
- Mounting of hinges at top or bottom
- Lock (max. 2) retrofittable
- Lateral cover (item 5) also serves as vertical EMC shielding of side panels

### DELIVERY COMPRISES (kit)

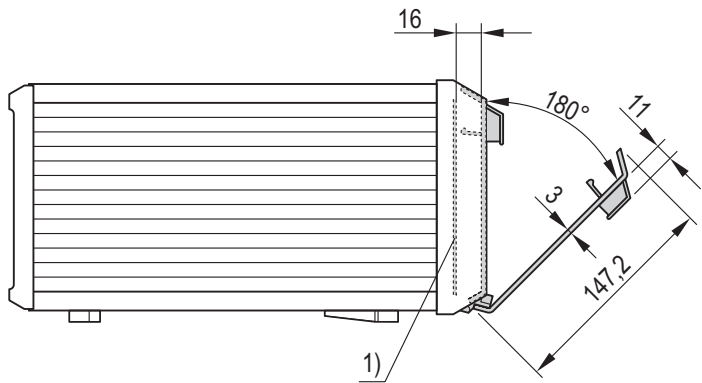
| Item | Qty | Description                                                  |
|------|-----|--------------------------------------------------------------|
| 1    | 1   | Hood, PMMA, tinted blue grey, acrylic glass, 3 mm            |
| 2    | 2   | Hinge, PC, UL 94 V-0, RAL 7016                               |
| 3    | 2   | Handle, PC, UL 94 V-0, RAL 7016                              |
| 4    | 2   | Retainer, UL 94 V-0, PC, RAL 7016                            |
| 5    | 2   | Lateral trim, Al extrusion, visible surface painted RAL 7016 |
| 6    | 1   | Assembly kit                                                 |

### ORDER INFORMATION

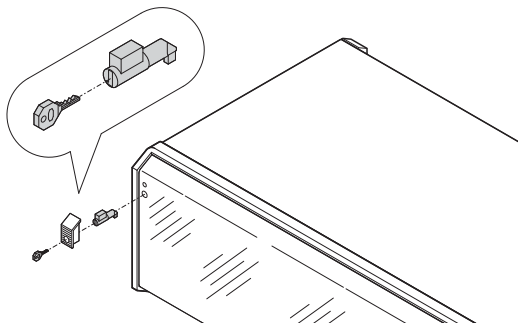
| For case width                                                    | Part no.         |
|-------------------------------------------------------------------|------------------|
| HP                                                                |                  |
| 28                                                                | <b>24576-080</b> |
| 42                                                                | <b>24576-081</b> |
| 63                                                                | <b>24576-082</b> |
| 84                                                                | <b>24576-083</b> |
| Lock for front hood Locking cylinder, key, assembly kit, PU 1 kit | <b>60850-171</b> |
| Plastic tip-up foot silver, similar to RAL 9006, 4 pieces         | <b>20603-001</b> |
| Plastic tip-up foot anthracite, similar to RAL 7016, 4 pieces     | <b>20603-002</b> |

### NOTE

- Cannot be combined with design elements
- Other heights available on request
- Before assembly of hood feet must be fixed to case; please order separately



1) Front panel

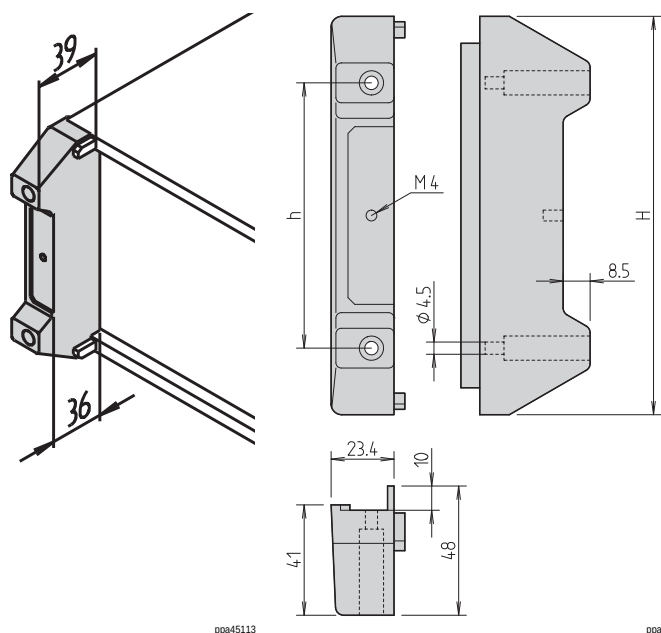


Lock for front hood



# Desk-top enclosure – PropacPRO

## FOOT FOR REAR HOOD



- Increases the distance between rear panel and parking surface (when used vertically)
- Simplifies cable routing
- Increased shock and vibration damping
- Required for mounting rear hood

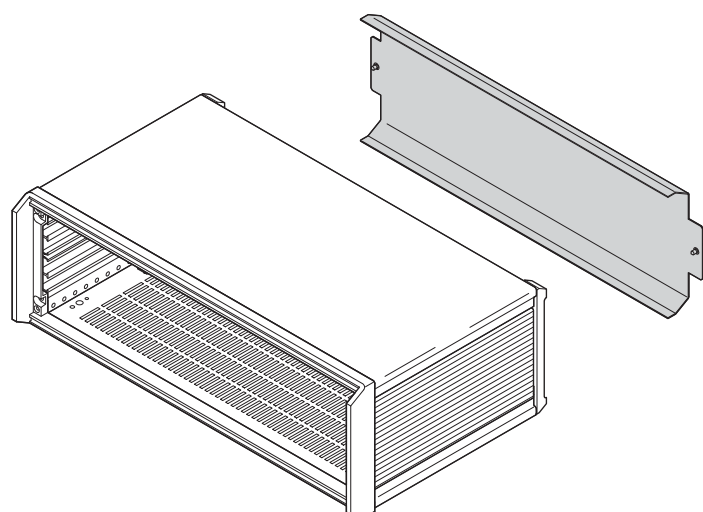
### DELIVERY COMPRISES

| Item | Qty | Description   |
|------|-----|---------------|
| 1    | 2   | Foot, PU foam |
| 1    | 1   | Assembly kit  |

### ORDER INFORMATION

| For cabinet height | Height H<br>mm | Part no.         |
|--------------------|----------------|------------------|
| U                  |                |                  |
| 3                  | 147.9          | <b>24576-393</b> |
| 4                  | 192.3          | <b>24576-394</b> |

## REAR HOOD



### DELIVERY COMPRISES (kit)

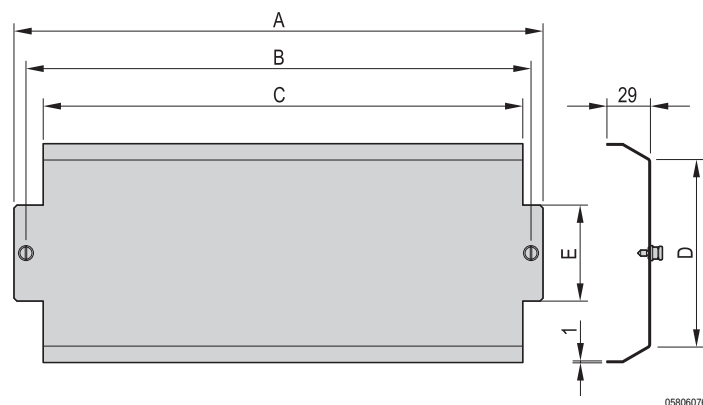
| Item | Qty | Description                                          |
|------|-----|------------------------------------------------------|
| 1    | 1   | Hood, Al, 1 mm, RAL 9006, fixing with knurled screws |
| 2    | 1   | Assembly kit                                         |

### ORDER INFORMATION

| Height<br>U                                                         | Width<br>HP | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | Part no.         |
|---------------------------------------------------------------------|-------------|---------|---------|---------|---------|---------|------------------|
| 3                                                                   | 42          | 246     | 230     | 213     | 145.9   | 64      | <b>24576-086</b> |
| 3                                                                   | 63          | 352.7   | 336.7   | 319.7   | 145.9   | 64      | <b>24576-087</b> |
| 3                                                                   | 84          | 459.4   | 443.4   | 426.4   | 145.9   | 64      | <b>24576-088</b> |
| 4                                                                   | 63          | 352.7   | 336.7   | 319.7   | 190.4   | 108.5   | <b>24576-091</b> |
| 4                                                                   | 84          | 459.4   | 443.4   | 426.4   | 190.4   | 108.5   | <b>24576-092</b> |
| Foot for rear hood for case height 3 U, PU foam, black, PU 2 pieces |             |         |         |         |         |         | <b>24576-393</b> |
| Foot for rear hood for case height 4 U, PU foam, black, PU 2 pieces |             |         |         |         |         |         | <b>24576-394</b> |

### NOTE

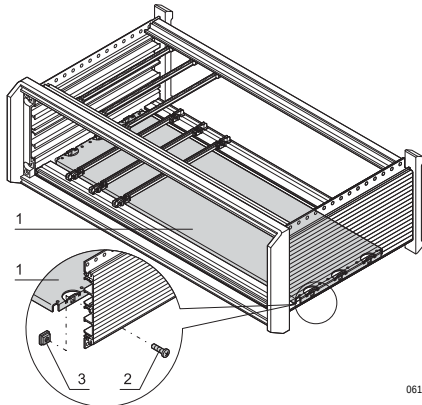
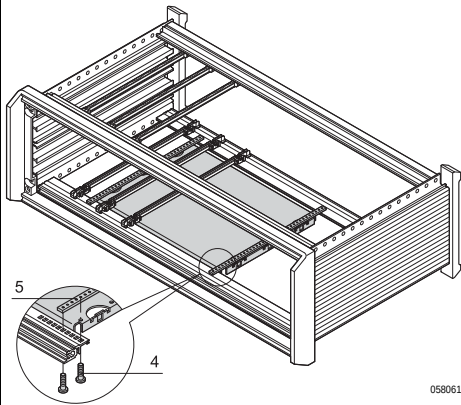
- To fit the rear hood, feet must be fitted to the rear panel; please order separately

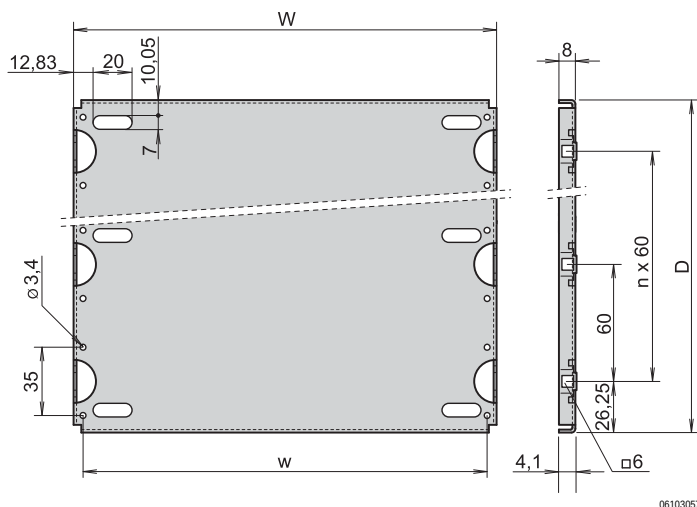


# Desk-top enclosure – PropacPRO

## MOUNTING PLATES

### ORDER INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                    |         |                     | Mounting plate for fixing of heavy components                                                                                                                                                                      | Fixing strip for partial widths                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                    |         |                     | <p>Mounting plate over <b>full width</b>:<br/>mounting is onto the side panels</p> <p>Mounting plate over <b>partial width</b>:<br/>mounting is onto one side panel and a fixing strip or onto 2 fixing strips</p> |                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                    |         |                     |  <p>Al, 1.5 mm; for mounting over partial width, please order fixing strips separately</p>                                        |  <p>St, 2 mm, zinc-plated;<br/>is bolted from front to rear onto the horizontal rails;<br/>to fix mounting plates</p> |
| Width W<br>HP                                                                                                                                                                                                                                                                                                                                                                      | W<br>mm | Board lengths<br>mm | 1 piece                                                                                                                                                                                                            | 1 piece                                                                                                                                                                                                 |
| 42                                                                                                                                                                                                                                                                                                                                                                                 | 217.99  | 160                 | <b>34562-746</b>                                                                                                                                                                                                   | <b>30840-021</b>                                                                                                                                                                                        |
| 42                                                                                                                                                                                                                                                                                                                                                                                 | 217.99  | 220                 | <b>34562-750</b>                                                                                                                                                                                                   | <b>30840-033</b>                                                                                                                                                                                        |
| 63                                                                                                                                                                                                                                                                                                                                                                                 | 324.67  | 160                 | <b>34562-747</b>                                                                                                                                                                                                   | <b>30840-021</b>                                                                                                                                                                                        |
| 63                                                                                                                                                                                                                                                                                                                                                                                 | 324.67  | 220                 | <b>34562-751</b>                                                                                                                                                                                                   | <b>30840-033</b>                                                                                                                                                                                        |
| 84                                                                                                                                                                                                                                                                                                                                                                                 | 431.35  | 160                 | <b>34562-748</b>                                                                                                                                                                                                   | <b>30840-021</b>                                                                                                                                                                                        |
| 84                                                                                                                                                                                                                                                                                                                                                                                 | 431.35  | 220                 | <b>34562-752</b>                                                                                                                                                                                                   | <b>30840-033</b>                                                                                                                                                                                        |
| 84                                                                                                                                                                                                                                                                                                                                                                                 | 431.35  | 340                 | <b>34562-760</b>                                                                                                                                                                                                   | <b>30840-057</b>                                                                                                                                                                                        |
| <p>Assembly kit for mounting plate, PU 1 kit<br/>(Torx countersunk screw M4 x 5, St, zinc-plated, 12 pieces; screw M4 x 6, St, zinc-plated, 10 pieces; M4 square nut, St, zinc-plated, 10 pieces)</p> <p>Assembly kit for fixing strips for partial width mounting plates, Torx screw M2.5 x 5, St, zinc-plated, PU 100 pieces</p> <p>M2.5 x 5, St, zinc-plated, PU 100 pieces</p> |         |                     | <b>24560-184</b>                                                                                                                                                                                                   | <b>24560-146</b>                                                                                                                                                                                        |



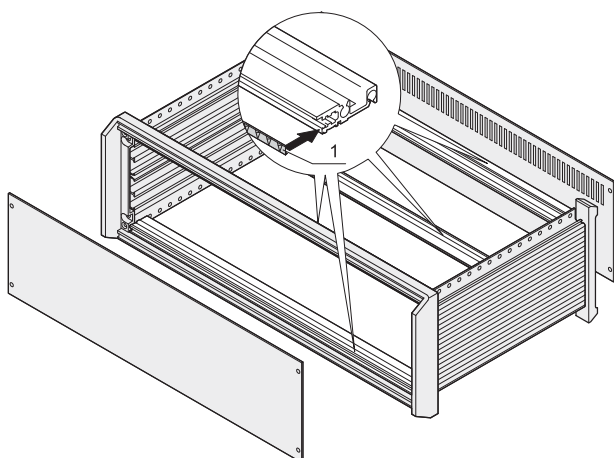
### NOTE

- Please order assembly kit for mounting plate separately
- Fixing strips required for partial width, please order separately
- Other versions on request
- Dimensions side panel with horizontal rail see page 5.53

propacPRO:  
D = board length - 47.5 mm; n = 1 for 160 mm board length; n = 2 for 220 mm board length; n=4 for 340 mm board length

# Desk-top enclosure – PropacPRO

## EMC GASKET, STAINLESS STEEL, BETWEEN FRONT/REAR PANEL AND HORIZONTAL RAIL



05806109

- The EMC contact strip is clipped onto the horizontal rail and forms a conductive link to front or rear panel
- Can be used for front/rear horizontal rails type VT (recessed)

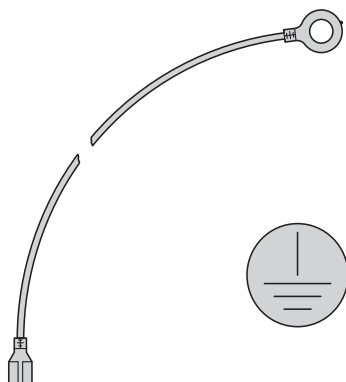
### DELIVERY COMPRISES

| Item | Qty    | Description               |
|------|--------|---------------------------|
| 1    | 10/100 | EMC gasket, St, stainless |

### ORDER INFORMATION

| Width<br>HP | Length<br>mm | Qty/PU<br>pieces | Part no.         |
|-------------|--------------|------------------|------------------|
| 28          | 131.78       | 10               | <b>24560-229</b> |
| 42          | 202.9        | 10               | <b>24560-231</b> |
| 63          | 304.5        | 10               | <b>24560-233</b> |
| 84          | 416.56       | 10               | <b>24560-235</b> |
| 84          | 416.56       | 100              | <b>24560-236</b> |

## GND/EARTHING KIT



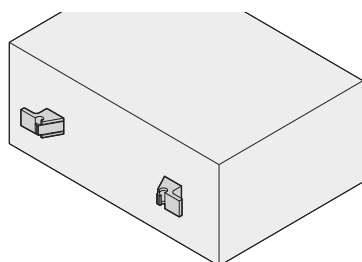
a2843284

- Protective GND/earthing connections in accordance with:
  - DIN EN 50178/VDE 0160
  - DIN EN 60950/VDE 0805
  - DIN EN 61010-1/VDE 0411 part 1
  - DIN EN 61010-1A2/VDE 0411 part 1A1
- VDE tested

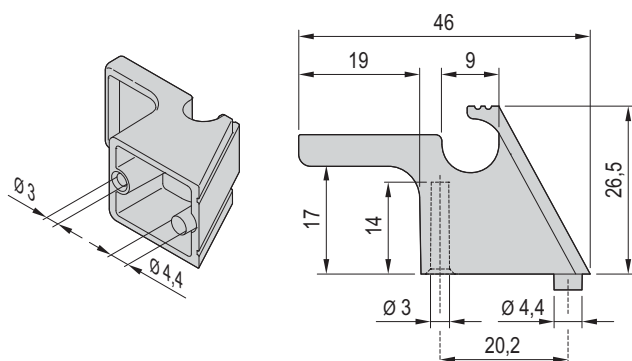
### ORDER INFORMATION

| Description                                                                                                               | Part no.         |
|---------------------------------------------------------------------------------------------------------------------------|------------------|
| GND/earthing kit, Cu wire 1.5 mm <sup>2</sup> , PVC sleeve, green/yellow, links side panels, base and rear panel, 1 piece | <b>21102-001</b> |

## CABLE HOLDER



02908053



02908052

### DELIVERY COMPRISES

| Item | Qty | Description                                                                      |
|------|-----|----------------------------------------------------------------------------------|
| 1    | 2   | Cable holder, ABS, UL V-94 0, RAL 7016, detent for cables between 8 mm and 12 mm |
| 2    | 1   | Drilling template, two drill holes each per holder are needed in rear panel      |
| 3    | 1   | Assembly kit                                                                     |

### ORDER INFORMATION

| Description  | Part no.         |
|--------------|------------------|
| Cable holder | <b>24575-800</b> |

# Desk-top enclosure – PropacPRO

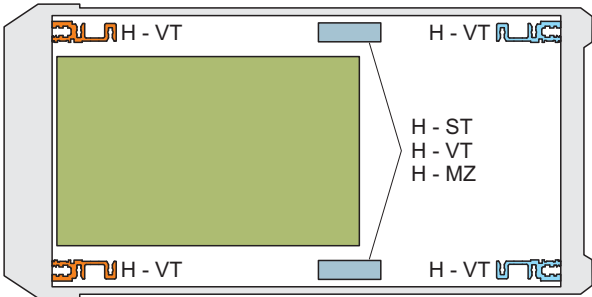
## MOUNTING POSITION HORIZONTAL/CENTRAL RAILS

2 U



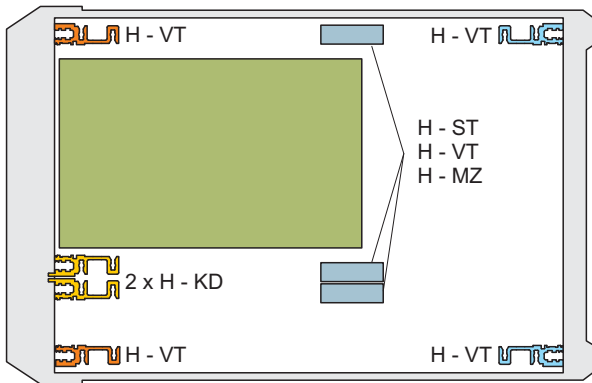
05806084

3 U



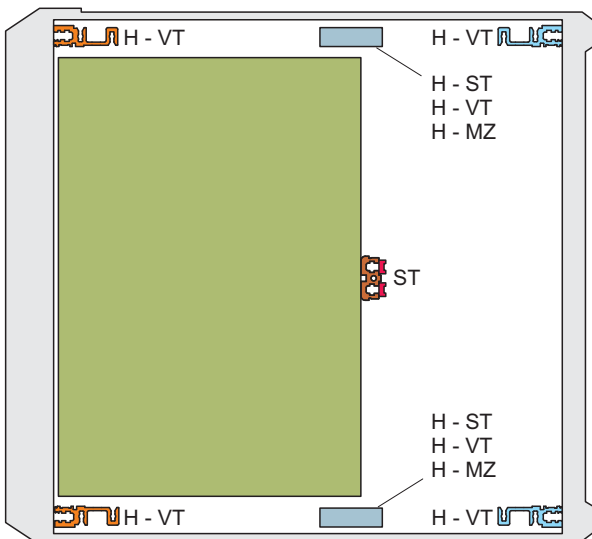
05806085

4 U (3 + 1)

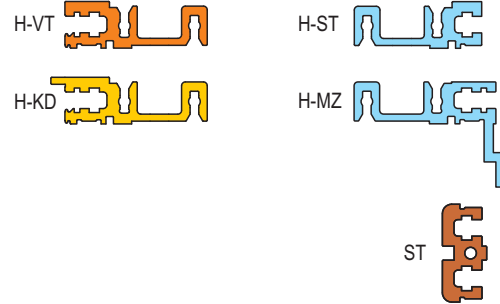


05806086

6 U

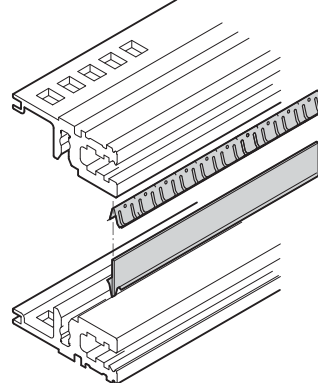


05806087



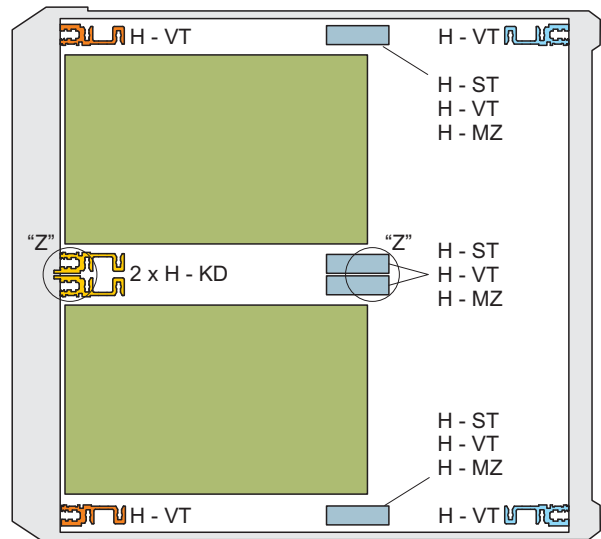
05809050

"Z" (EMC shielding with 2 horizontal rails)



06106051

6 U (2 x 3)

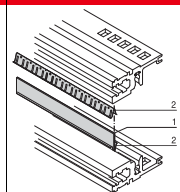
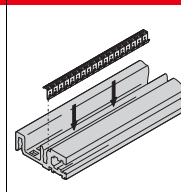


05806088

# Desk-top enclosure – PropacPRO

## HORIZONTAL RAILS TO FRONT/CENTRE/REAR

### ORDER INFORMATION

|                                                                                                             |           | For indirect backplane fixing with insulation strip                                            | For direct backplane fixing                                                                    | For direct fixing of connectors in accordance with EN 60603-2 (DIN 41612)                      | Front horizontal rails                                                                          | Stainless steel EMC gasket between horizontal rail and horizontal rail                                                                                                                   | Horizontal rail type H-VT robust, with EMC gasket                                                         |
|-------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                                                                                                             |           | <br>04400001  | <br>04400002  | <br>04400003  |                                                                                                 | <br>bza45877                                                                                          | <br>06106052           |
|                                                                                                             |           | "heavy"<br>Type H-ST<br>standard                                                               | "heavy"<br>Type H-VT<br>long lip                                                               | "heavy"<br>Type H-MZ<br>with Z-rail                                                            | "heavy"<br>Type H-KD<br>short lip                                                               |                                                                                                                                                                                          |                                                                                                           |
|                                                                                                             |           | <br>06197011 | <br>06197013 | <br>06197015 | <br>06197008 |                                                                                                                                                                                          |                                                                                                           |
|                                                                                                             |           | Al extrusion, anodised finish, conductive surface, with printed HP markings                    | Al extrusion, anodised finish, conductive surface, with printed HP markings                    | Al extrusion, anodised finish, conductive surface, with printed HP markings                    | Al extrusion, anodised finish, conductive surface, with printed HP markings                     | item 1: metal strip, Al, 1 mm,<br>item 2: EMC stainless steel gasket; for shielding of 2 horizontal rails positioned directly one above the other if assembly area is divided vertically | horizontal rail:<br>Al extrusion, anodised, conductive contact surface for cover plates on shielded cases |
| Usable length HP                                                                                            | Length mm | 1 piece (SPQ 10) <sup>1)</sup>                                                                 | 1 piece (SPQ 10) <sup>1)</sup>                                                                 | 1 piece (SPQ 10) <sup>1)</sup>                                                                 | 1 piece (SPQ 10) <sup>1)</sup>                                                                  | PU 1 kit                                                                                                                                                                                 | 1 piece                                                                                                   |
| 28                                                                                                          | 147.32    | <b>34560-528</b>                                                                               | <b>34560-728</b>                                                                               | <b>34560-928</b>                                                                               | <b>34560-228</b>                                                                                | <b>24562-528</b>                                                                                                                                                                         | <b>24576-028</b>                                                                                          |
| 42                                                                                                          | 218.44    | <b>34560-542</b>                                                                               | <b>34560-742</b>                                                                               | <b>34560-942</b>                                                                               | <b>34560-242</b>                                                                                | <b>24562-542</b>                                                                                                                                                                         | <b>24576-042</b>                                                                                          |
| 63                                                                                                          | 325.12    | <b>34560-563</b>                                                                               | <b>34560-763</b>                                                                               | <b>34560-963</b>                                                                               | <b>34560-263</b>                                                                                | <b>24562-563</b>                                                                                                                                                                         | <b>24576-063</b>                                                                                          |
| 84                                                                                                          | 431.80    | <b>34560-584</b>                                                                               | <b>34560-784</b>                                                                               | <b>34560-984</b>                                                                               | <b>34560-284</b>                                                                                | <b>24562-584</b>                                                                                                                                                                         | <b>24576-084</b>                                                                                          |
| Torx panhead screw , M4 × 14, St, zinc-plated, PU 100 pieces                                                |           | <b>24571-371</b>                                                                               | <b>24571-371</b>                                                                               | <b>24571-371</b>                                                                               | <b>24571-371</b>                                                                                | —                                                                                                                                                                                        | <b>24571-371</b>                                                                                          |
| Torx panhead screw , M 4 × 10, St, zinc-plated, necessary if guide rail is screwed to slot 1, PU 100 pieces |           | —                                                                                              | —                                                                                              | <b>24571-372</b>                                                                               | <b>24571-372</b>                                                                                | —                                                                                                                                                                                        | <b>24571-372</b>                                                                                          |
| Perforated rail for connector mounting with insulation strip see page                                       |           | 5.69                                                                                           | —                                                                                              | —                                                                                              | —                                                                                               | —                                                                                                                                                                                        | —                                                                                                         |
| Z-rail for connector mounting without insulation strip see page                                             |           | 5.69                                                                                           | —                                                                                              | —                                                                                              | —                                                                                               | —                                                                                                                                                                                        | —                                                                                                         |
| Insulation strips see page                                                                                  |           | —                                                                                              | 5.68                                                                                           | —                                                                                              | —                                                                                               | —                                                                                                                                                                                        | —                                                                                                         |
| Threaded inserts see page                                                                                   |           | 5.68                                                                                           | 5.68                                                                                           | 5.68                                                                                           | 5.68                                                                                            | —                                                                                                                                                                                        | —                                                                                                         |

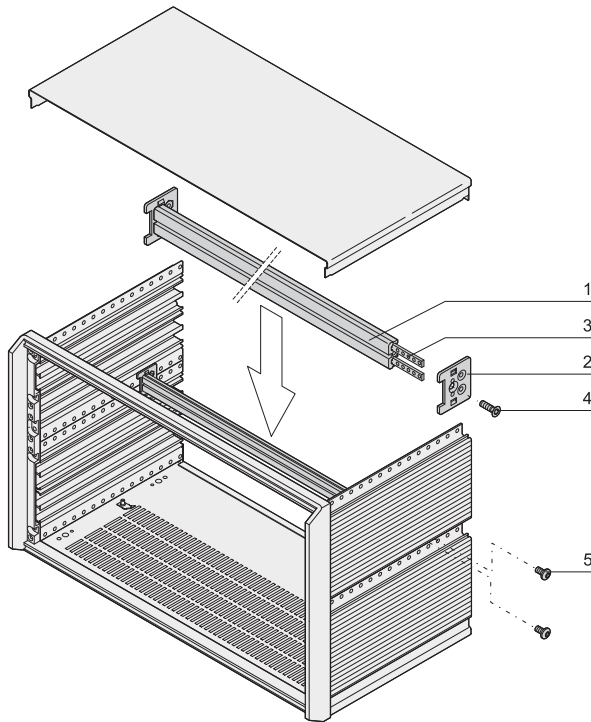
1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

### NOTE

- Further horizontal rails see from page 6.27
- Fitting options see page 5.66

# Desk-top enclosure – PropacPRO

## HORIZONTAL RAILS, CENTRE, TYPE ST-C



05806089

- For indirect backplane mounting (with insulation strip)
- For 6 U propacPRO case

**DELIVERY COMPRISES** (kit, item 1 to 4 are pre-mounted)

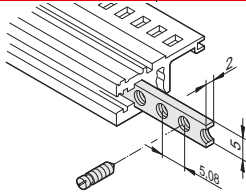
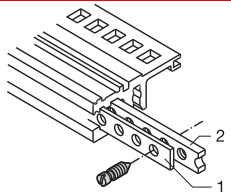
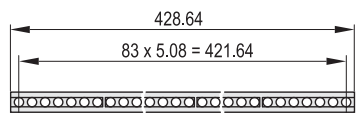
| Item | Qty | Description                                                          |
|------|-----|----------------------------------------------------------------------|
| 1    | 1   | Horizontal rail, Al extrusion, anodised, contact surfaces conductive |
| 2    | 2   | Adaptor plate, Al                                                    |
| 3    | 2   | Threaded insert, M2.5, St, zinc-plated                               |
| 4    | 2   | Countersunk screw, M4 x 14                                           |
| 5    | 4   | Pan head screw, M4 x 6                                               |

### ORDER INFORMATION

| Usable width                                              | Length | Part no.         |
|-----------------------------------------------------------|--------|------------------|
| HP                                                        | mm     |                  |
| 84                                                        | 431.8  | <b>24575-474</b> |
| Insulation strip 84 HP, PBT UL 94 V-0, grey, PU 10 pieces |        | <b>24560-884</b> |

## THREADED INSERTS, PERFORATED STRIPS, INSULATION STRIPS

### ORDER INFORMATION

|               |        | Threaded insert                                                                                                                                                                                                                 |                                | Perforated strip                                                                                                                                                                             |                                | Insulation strip                                                                                                                                                 |                  |
|---------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|               |        | M2.5                                                                                                                                                                                                                            | M3                             | (item 1)                                                                                                                                                                                     |                                |                                                                                                                                                                  |                  |
|               |        |  <p>06103056</p> <p>required for fixing the front panel to the horizontal rail; St, zinc-plated; use collar screw 12.3 mm, see page 6.64</p> |                                |  <p>BZA45853</p> <p>for centring shielded plug-in units, Al, 1 mm, please order grub screw separately</p> |                                |  <p>BZ6749</p> <p>for insulated backplane mounting; PBT UL 94 V-0, grey</p> |                  |
|               |        | Threaded insert                                                                                                                                                                                                                 |                                | Perforated strip                                                                                                                                                                             |                                | Insulation strip                                                                                                                                                 |                  |
| Usable length | Length | 1 piece (SPQ 10) <sup>1)</sup>                                                                                                                                                                                                  | 1 piece (SPQ 10) <sup>1)</sup> | Length                                                                                                                                                                                       | 1 piece (SPQ 10) <sup>1)</sup> | Length                                                                                                                                                           | PU 10 pieces     |
| HP            | mm     |                                                                                                                                                                                                                                 |                                | mm                                                                                                                                                                                           |                                | mm                                                                                                                                                               |                  |
| 28            | 146.82 | <b>34561-328</b>                                                                                                                                                                                                                | —                              | 147.12                                                                                                                                                                                       | <b>30845-197</b>               | 144.20                                                                                                                                                           | <b>24560-828</b> |
| 42            | 217.94 | <b>34561-342</b>                                                                                                                                                                                                                | —                              | 218.24                                                                                                                                                                                       | <b>30845-211</b>               | 210.40                                                                                                                                                           | <b>24560-842</b> |
| 63            | 324.62 | <b>34561-363</b>                                                                                                                                                                                                                | —                              | 324.92                                                                                                                                                                                       | <b>30845-232</b>               | 316.88                                                                                                                                                           | <b>24560-863</b> |
| 84            | 431.30 | <b>34561-384</b>                                                                                                                                                                                                                | <b>34561-484</b>               | 431.60                                                                                                                                                                                       | <b>30845-253</b>               | 428.64                                                                                                                                                           | <b>24560-884</b> |

#### Accessories

|                                    |                  |                  |   |                  |   |
|------------------------------------|------------------|------------------|---|------------------|---|
| Grub screw M2.5 x 8, PU 100 pieces | <b>21100-276</b> | —                | — | —                | — |
| Grub screw M2.5 x 9, PU 100 pieces | —                | —                | — | <b>21101-359</b> | — |
| Grub screw M3 x 8, PU 100 pieces   | —                | <b>21100-646</b> | — | —                | — |

1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

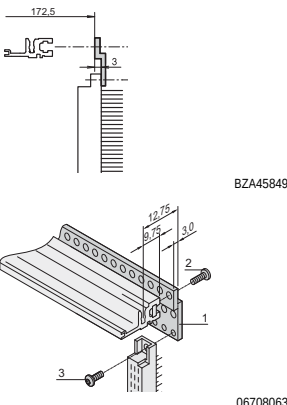
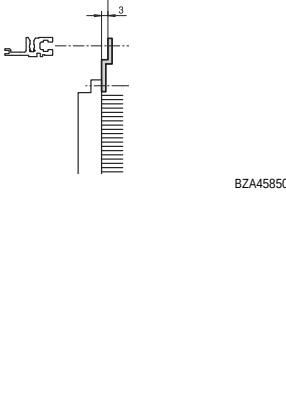
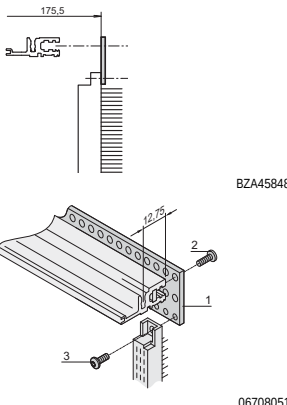
2) Part no. includes one packing unit (PU); delivery is exclusively made in PU



# Desk-top enclosure – PropacPRO

## Z-RAILS, PERFORATED RAILS

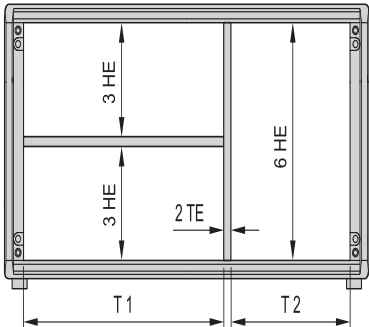
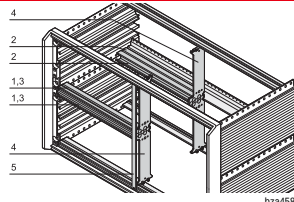
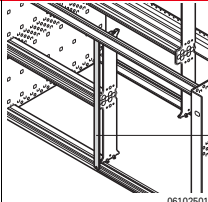
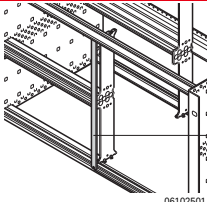
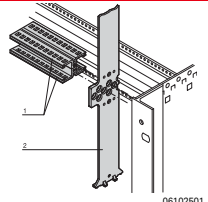
### ORDER INFORMATION

|                                                                                                       |              | Z-rail for connectors<br>DIN EN 60603-2, DIN 41612<br>item 1                                                                                                                   | 31-pin, DIN 41617                                                                                                                                                               | Perforated rail<br>EN 606032, DIN 41612<br>item 1                                                                                                                                |
|-------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                       |              |  <p>for connector mounting on ST horizontal rails, please order threaded insert and screw</p> |  <p>for connector mounting on ST horizontal rails, please order threaded insert and screw</p> |  <p>for connector mounting on VT horizontal rails, please order threaded insert and screw</p> |
| Usable length<br>HP                                                                                   | Length<br>mm | 1 piece                                                                                                                                                                        | 1 piece                                                                                                                                                                         | PU 4 pieces                                                                                                                                                                      |
| 28                                                                                                    | 142.24       | <b>30822-033</b>                                                                                                                                                               | —                                                                                                                                                                               | <b>20822-049</b>                                                                                                                                                                 |
| 42                                                                                                    | 213.36       | <b>30822-047</b>                                                                                                                                                               | —                                                                                                                                                                               | <b>20822-050</b>                                                                                                                                                                 |
| 60                                                                                                    | 304.80       | <b>30822-065</b>                                                                                                                                                               | <b>30819-783</b>                                                                                                                                                                | <b>20822-047</b>                                                                                                                                                                 |
| 84                                                                                                    | 426.70       | <b>30822-089</b>                                                                                                                                                               | <b>30819-808</b>                                                                                                                                                                | <b>20822-048</b>                                                                                                                                                                 |
| Item 3, Torx panhead screw<br>to fix connector to perforated rail,, M2.5 × 7, PU 100 pieces           |              | <b>24560-147</b>                                                                                                                                                               | <b>24560-147</b>                                                                                                                                                                | <b>24560-147</b>                                                                                                                                                                 |
| Item 2, Torx panhead screw,<br>to fix perforated rail to horizontal rail, M2.5 × 10,<br>PU 100 pieces |              | <b>24560-148</b>                                                                                                                                                               | <b>24560-148</b>                                                                                                                                                                | <b>24560-148</b>                                                                                                                                                                 |

# Desk-top enclosure – PropacPRO

COMBINED MOUNTING (6 U AND 2 X 3 U ONE ABOVE THE OTHER)

## ORDER INFORMATION

|                                                                                                                 | Combined mounting<br>Horizontal and<br>vertical subdivision<br>(incl. front panel for stainless steel<br>EMC gasket)                                                                                                                                                                                                                                                                                                | Unshielded front panel,<br>6 U, 2 HP<br>item 5                                                                                                        | Front panel for textile<br>EMC gasket, 6 U, 2 HP<br>item 5                                                                             | Splitting extrusion<br>for combined mounting<br>item 2                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 |  <p>item 1: 2 front horizontal rails (H-KD), Al extrusion, anodised;<br/>item 2: 2 rear horizontal rails (AB), Al extrusion, anodised; item 3: threaded insert, St, zinc-plated;<br/>item 4: Zn die-cast support member;<br/>item 5: front panel 2 HP, 6 U, shielded; with EMC stainless steel gasket; 84:0 without items 4, 5</p> |  <p>Al, 2.5 mm, front anodised, rear iridescent green chromated</p> |  <p>Al, 2.5 mm, U-profile with notch, 6 U, 2 HP</p> |  <p>6 U, Zn die-cast; splitting extrusion is inserted in the grid holes of the horizontal rail; the splitting extrusion can be bolted</p> |
| Width pitch T1:T2<br>HP                                                                                         | PU 1 kit                                                                                                                                                                                                                                                                                                                                                                                                            | 1 (SPQ 5)                                                                                                                                             | 1 piece (SPQ 5) <sup>1)</sup>                                                                                                          | 1 piece                                                                                                                                                                                                                      |
| 20:62                                                                                                           | <b>24562-420</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                       |                                                                                                                                        |                                                                                                                                                                                                                              |
| 40:42                                                                                                           | <b>24562-440</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                       |                                                                                                                                        |                                                                                                                                                                                                                              |
| 42:40                                                                                                           | <b>24562-442</b>                                                                                                                                                                                                                                                                                                                                                                                                    | <b>30847-472</b>                                                                                                                                      | <b>30849-140</b>                                                                                                                       | <b>64560-010</b>                                                                                                                                                                                                             |
| 63:19                                                                                                           | <b>24562-463</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                       |                                                                                                                                        |                                                                                                                                                                                                                              |
| 84:0                                                                                                            | <b>24562-484</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                       |                                                                                                                                        |                                                                                                                                                                                                                              |
| Torx countersunk screw<br>M4 × 14, zinc-plated, PU 100 pieces<br>for fixing splitting extrusion/horizontal rail | —                                                                                                                                                                                                                                                                                                                                                                                                                   | —                                                                                                                                                     | —                                                                                                                                      | <b>24560-145</b>                                                                                                                                                                                                             |
| Panhead screw<br>M2.5 × 10, St, zinc-plated, PU 100 pieces<br>for fixing horizontal rail/splitting extrusion    | —                                                                                                                                                                                                                                                                                                                                                                                                                   | —                                                                                                                                                     | —                                                                                                                                      | <b>24560-179</b>                                                                                                                                                                                                             |
| Pozidrive/slotted collar screw<br>M2.5 × 12.3, St, nickel-plated, PU 100 pieces                                 | —                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>21101-101</b>                                                                                                                                      | <b>21101-101</b>                                                                                                                       | —                                                                                                                                                                                                                            |
| Pozidrive/slotted collar screw<br>M2.5, black, zinc-plated, PU 100 pieces                                       | —                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>21101-102</b>                                                                                                                                      | <b>21101-102</b>                                                                                                                       | —                                                                                                                                                                                                                            |
| Washer<br>2.7 × 5 × 1, plastic PA 6, PU 100 pieces                                                              | —                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>21101-121</b>                                                                                                                                      | <b>21101-121</b>                                                                                                                       | —                                                                                                                                                                                                                            |
| Textile gasket, core: foam,<br>sleeve: textile cladding with CuNi coating,<br>UL 94 V-0, PU 10 pieces           | —                                                                                                                                                                                                                                                                                                                                                                                                                   | —                                                                                                                                                     | <b>21101-855</b>                                                                                                                       | —                                                                                                                                                                                                                            |

- Subdivision of the 6 U assembly area into:
  - 2 x 3 U
  - 1 x 6 U
- Designed to accept euroboards (100 mm high) and double euroboards (233.35 mm high)

### NOTE

- Please order EMC gasketing kit for horizontal rails separately, see page 6.54
- Please order perforated strips for horizontal rails separately, see page 5.68
- Please order rear centre horizontal rail separately, see page 5.68

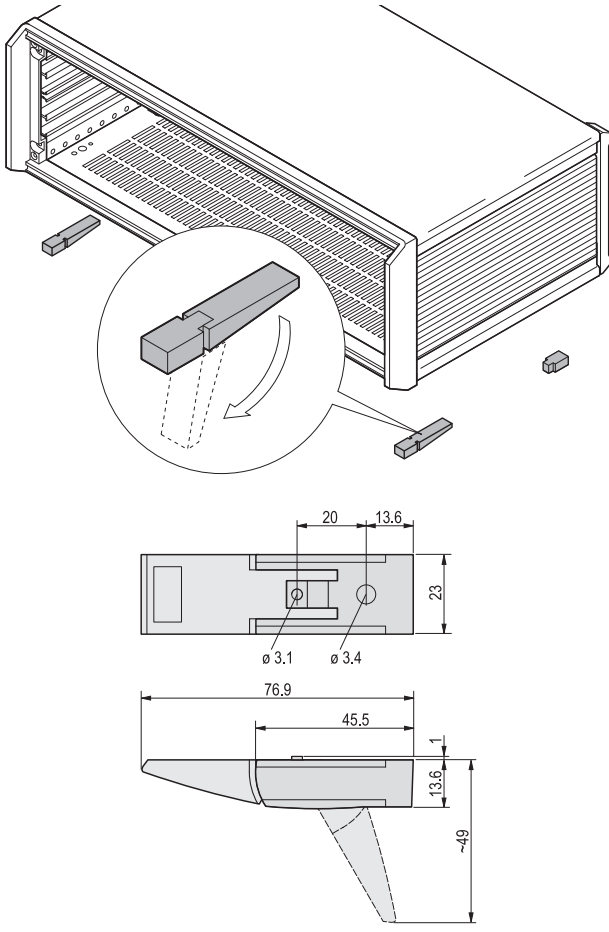
## HORIZONTAL BOARD MOUNTING

|                                                              |                       |                                                                                 | Horizontal board mounting                                                                                                                                                                                                                                                                                     |                  | Front frame for EMC gasketing                                                                                                                                                                                                                             | Front frame, unshielded                                                                                         |
|--------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <p>(1 TE = 1 HP, 1 HE = 1 U)</p>                             |                       |                                                                                 | <p>05806091</p> <p>Struts die-cast zinc; horizontal rails front and rear; threaded insert, St, zinc-plated; fixing material kit; for horizontal mounting of double-height euroboards in 3 or 4 U high sub racks/cases; 54 HP space required; <b>please order front frame for EMC gasketing separately</b></p> |                  | <p>bpa45913</p> <p>2 horizontal trims, Al 2.5 mm, front anodised, rear iridescent green chromated; 2 vertical trims, Al extrusion, clear passivated; stainless steel EMC gasket; front frame forms the contact between subrack and the sub-assemblies</p> | <p>bza43061</p> <p>Al, 2.5 mm, clear anodised; front frame with cut-out, clear internal width w = 266.35 mm</p> |
| Height H<br>U                                                | Usable height h<br>HP | Other dimensions and options<br>Horizontal rail, front    Horizontal rail, rear | PU 1 kit                                                                                                                                                                                                                                                                                                      | PU 1 kit         | 1 piece                                                                                                                                                                                                                                                   |                                                                                                                 |
| 3                                                            | 20                    |                                                                                 | <b>24564-117</b>                                                                                                                                                                                                                                                                                              | <b>24564-109</b> | 34564-108                                                                                                                                                                                                                                                 |                                                                                                                 |
| 3                                                            | 20                    |                                                                                 | <b>24564-118</b>                                                                                                                                                                                                                                                                                              | <b>24564-109</b> | 34564-109                                                                                                                                                                                                                                                 |                                                                                                                 |
| 4                                                            | 28                    |                                                                                 | <b>24564-217</b>                                                                                                                                                                                                                                                                                              | <b>24564-209</b> | <b>34564-208</b>                                                                                                                                                                                                                                          |                                                                                                                 |
| Assembly tool, for mounting the EMC gasket (stainless steel) |                       |                                                                                 | —                                                                                                                                                                                                                                                                                                             | <b>24560-270</b> | —                                                                                                                                                                                                                                                         |                                                                                                                 |

\* For direct backplane mounting

# Desk-top enclosure – PropacPRO

## PLASTIC TIP-UP FEET



05806093

02906050

- Static load-carrying capacity 25 kg per foot
- Tip-up feet can be used instead of the pre-mounted case feet
- Fixing holes provided in bottom of case

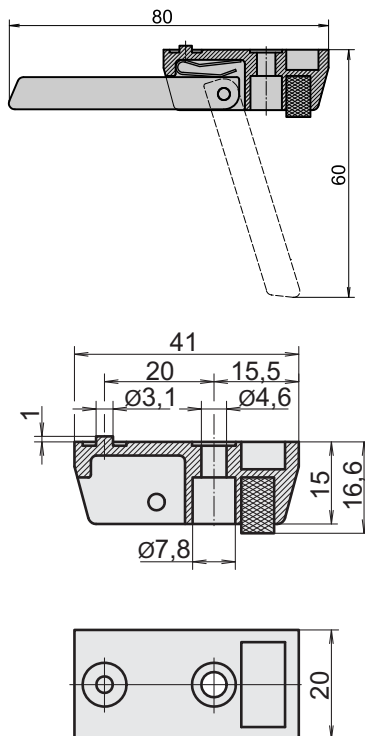
### DELIVERY COMPRISES (kit)

| Item | Qty | Description                  |
|------|-----|------------------------------|
| 1    | 4   | Foot, PA, UL 94 V-0          |
| 2    | 4   | Anti-slip protection, TPE    |
| 3    | 2   | Tip-up device, PA, UL 94 V-0 |
| 4    | 1   | Assembly kit                 |

### ORDER INFORMATION

| Description                                                        | Part no.                                                   |
|--------------------------------------------------------------------|------------------------------------------------------------|
| Plastic tip-up foot                                                | anthracite, similar to RAL 7016, 4 pieces <b>20603-002</b> |
| Plastic tip-up foot                                                | silver, similar to RAL 9006, 4 pieces <b>20603-001</b>     |
| Cheesehead screw with slot M4 × 12, St, zinc-plated, PU 100 pieces | <b>21101-211</b>                                           |
| Hexagon nut M4, St, zinc-plated, PU 100 pieces                     | <b>21100-211</b>                                           |
| Spring washer A4, St, zinc-plated, PU 100 pieces                   | <b>21100-207</b>                                           |

## TIP-UP FEET MADE OF DIE-CAST ALUMINIUM



AZA43836

02908051

- Can be used instead of the round standard feet
- Fixing holes provided in bottom of case
- Secure case stance with slip-proof rubber inserts
- Load carrying capacity: 50 kg per foot, max. case weight 40 kg

### ORDER INFORMATION

| Description                                                        | Qty                            | Part no.         |
|--------------------------------------------------------------------|--------------------------------|------------------|
| Foot with tip-up, Al die-cast, silver                              | 1 piece (SPQ 10) <sup>1)</sup> | <b>10603-002</b> |
| Foot without tip-up, Al die-cast, silver                           | 1 piece (SPQ 10) <sup>1)</sup> | <b>10603-001</b> |
| Cheesehead screw with slot M4 × 12, St, zinc-plated, PU 100 pieces |                                | <b>21101-211</b> |
| Hexagon nut M4, St, zinc-plated, PU 100 pieces                     |                                | <b>21100-211</b> |
| Spring washer A4, St, zinc-plated, PU 100 pieces                   |                                | <b>21100-207</b> |

1) Part no. comprises 1 piece;  
delivery is in standard pack quantity (SPQ);  
please order a minimum of 10 feet or a multiple

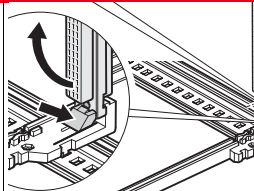
### NOTE

- Delivery is in standard pack multiples;  
pricing is per individual item

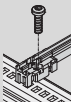
# Desk-top enclosure – PropacPRO

## GUIDE RAILS FOR PLUG-IN UNITS AND FRAME TYPE PLUG-IN UNITS, ONE-PIECE, GROOVE WIDTH 2 MM

### ORDER INFORMATION

|                                                                                                                                                                  |                       |              | For plug-in units and frame type plug-in units<br>Standard                                                                                                                                                                       | With DIN connector fixing as standard                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly<br>- can be clipped into Al extruded horizontal rails<br>- can be clipped into 1.5 mm thick plates<br><br>Storage temperature<br>from -40 °C ... 130 °C |                       |              |  <p>up to 220 mm length, PBT, UL 94 V-0;<br/>multi-piece from 280 mm length,<br/>end piece PBT, UL 94 V-0,<br/>central section Al extrusion</p> |  <p>PBT, UL 94 V-0, red,<br/>connector is clipped directly onto the guide rails;<br/>for euroboards, 100 x 160 mm or 100 x 220 mm only</p> |
| Board lengths<br>mm                                                                                                                                              | Groove<br>width<br>mm | Colour<br>mm | PU 10 pieces                                                                                                                                                                                                                     | 1 pair (SPQ 10) <sup>1)</sup>                                                                                                                                                                                                |
| 70                                                                                                                                                               | 2                     | red          | —                                                                                                                                                                                                                                | —                                                                                                                                                                                                                            |
| 70                                                                                                                                                               | 2                     | grey         | —                                                                                                                                                                                                                                | —                                                                                                                                                                                                                            |
| 160                                                                                                                                                              | 2                     | red          | <b>24560-351</b>                                                                                                                                                                                                                 | <b>64560-074</b>                                                                                                                                                                                                             |
| 220                                                                                                                                                              | 2                     | red          | <b>24560-353</b>                                                                                                                                                                                                                 | <b>64560-075</b>                                                                                                                                                                                                             |
| 280                                                                                                                                                              | 2                     | red          | <b>24560-379</b>                                                                                                                                                                                                                 | —                                                                                                                                                                                                                            |
| 340                                                                                                                                                              | 2                     | red          | <b>24560-380</b>                                                                                                                                                                                                                 | —                                                                                                                                                                                                                            |
| Dimension drawings see page                                                                                                                                      |                       |              | 6.40                                                                                                                                                                                                                             | 6.40                                                                                                                                                                                                                         |

### Accessories

|                                                     |                                                                                     |                  |                  |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|------------------|------------------|
| Retention screw, PU 100 pieces                      |  | <b>24560-141</b> | <b>24560-141</b> |
| ESD clip, PU 50 pieces<br>description see page 6.41 |                                                                                     | <b>24560-255</b> | <b>24560-255</b> |

1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

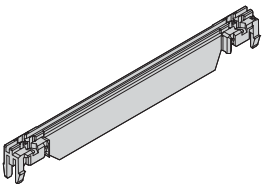
2) Part no. includes one packing unit (PU); delivery is exclusively made in PU

Further guide rails see page **6.35**

# Desk-top enclosure – PropacPRO

GUIDE RAILS TYPE "ACCESSORIES", ONE-PIECE, GROOVE WIDTH 2 MM AND 2.5 MM

## ORDER INFORMATION

|                                                                                                                                                                                     |                       |                | Guide rails<br>"Accessories"                                                                                                                                                                                                   | Guide rails<br>"Accessories" strengthened                                                                                                                              | Guide rails<br>for heavy modules, Al extrusion, silver,<br>robust version                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b><br>- can be clipped into horizontal rails in Al extrusion<br>- can be clipped into 1.5 mm thick plates<br><br><b>storage temperature</b><br>from -40 °C ... +130 °C |                       |                |  <p>up to 280 mm length, PBT, UL 94 V-0;<br/>multi-piece from 280 mm length,<br/>end piece PBT, UL 94V-0,<br/>middle section Al extrusion</p> |  <p>PBT UL 94 V-0,<br/>red support beam of guide rails adds to<br/>strengthening</p> |  <p>Al extrusion; is screwed to horizontal rail "heavy"<br/>with retention screws</p> |
| Board<br>lengths<br>mm                                                                                                                                                              | Groove<br>width<br>mm | Colour<br>mm   | PU 10 pieces                                                                                                                                                                                                                   | 1 piece (SPQ 50)                                                                                                                                                       | 1 piece (SPQ 50) <sup>1)</sup>                                                                                                                                           |
| 100                                                                                                                                                                                 | 2                     | red            | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | —                                                                                                                                                                        |
| 160                                                                                                                                                                                 | 2                     | red            | <b>24560-373</b>                                                                                                                                                                                                               | <b>64560-076</b>                                                                                                                                                       | —                                                                                                                                                                        |
| 160                                                                                                                                                                                 | 2                     | grey           | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | <b>34562-881</b>                                                                                                                                                         |
| 220                                                                                                                                                                                 | 2                     | red            | <b>24560-374</b>                                                                                                                                                                                                               | <b>64560-078</b>                                                                                                                                                       | —                                                                                                                                                                        |
| 220                                                                                                                                                                                 | 2                     | grey           | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | <b>34562-882</b>                                                                                                                                                         |
| 280                                                                                                                                                                                 | 2                     | red/<br>silver | <b>24560-375</b>                                                                                                                                                                                                               | <b>64560-080</b>                                                                                                                                                       | <b>34562-883</b>                                                                                                                                                         |
| 340                                                                                                                                                                                 | 2                     | red/<br>silver | <b>24560-376</b>                                                                                                                                                                                                               | —                                                                                                                                                                      | <b>34562-884</b>                                                                                                                                                         |
| 400                                                                                                                                                                                 | 2                     | silver         | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | <b>34562-885</b>                                                                                                                                                         |
| 160                                                                                                                                                                                 | 2.5                   | silver         | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | <b>34564-881</b>                                                                                                                                                         |
| 220                                                                                                                                                                                 | 2.5                   | silver         | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | <b>34564-882</b>                                                                                                                                                         |
| 280                                                                                                                                                                                 | 2.5                   | silver         | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | <b>34564-883</b>                                                                                                                                                         |
| 340                                                                                                                                                                                 | 2.5                   | silver         | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | <b>34564-884</b>                                                                                                                                                         |
| 400                                                                                                                                                                                 | 2.5                   | silver         | —                                                                                                                                                                                                                              | —                                                                                                                                                                      | <b>34564-885</b>                                                                                                                                                         |
| Dimension drawings see page                                                                                                                                                         |                       |                | 6.40                                                                                                                                                                                                                           | 6.40                                                                                                                                                                   | 6.40                                                                                                                                                                     |

## Accessories

|                                                                                                          |                                                                                     |                  |                  |                  |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------|------------------|------------------|
| Retention screw, PU 100 pieces                                                                           |  | <b>24560-141</b> | <b>24560-141</b> | <b>24560-157</b> |
| ESD clip, PU 50 pieces<br>description see page 6.41                                                      |                                                                                     | <b>24560-255</b> | <b>24560-255</b> | —                |
| Board locking C, red,<br>PU 10 pieces,<br>description see page 6.41                                      |                                                                                     | <b>24560-377</b> | <b>24560-377</b> | —                |
| Board handle C, red,<br>PU 10 pieces,<br>description see page 6.41                                       |                                                                                     | <b>24560-378</b> | <b>24560-378</b> | —                |
| Identification strips for board handle,<br>red,<br>PU 1 sheet = 438 pieces, description<br>see page 6.41 |                                                                                     | <b>60817-228</b> | <b>60817-228</b> | —                |
| Coding see page                                                                                          |                                                                                     | 6.41             | 6.41             | —                |

1) SPQ (standard pack quantity): Order number includes 1 piece, but delivery is exclusively made in standard pack quantity (SPQ); please order at least the SPQ quantity or a multiple thereof

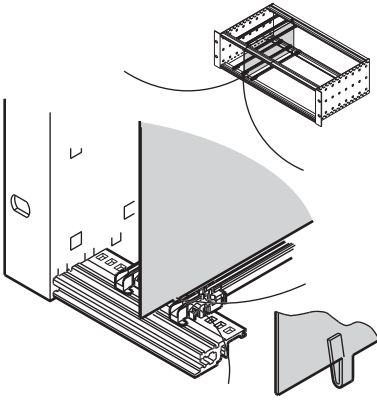
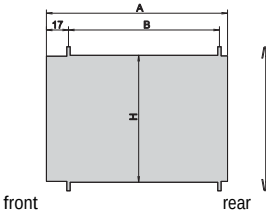
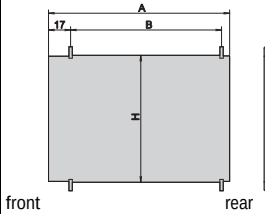
2) Part no. includes one packing unit (PU); delivery is exclusively made in PU

Further guide rails see page 6.35

# Desk-top enclosure – PropacPRO

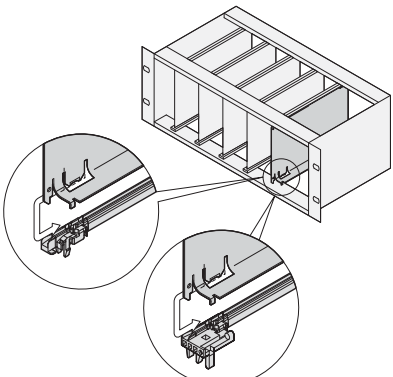
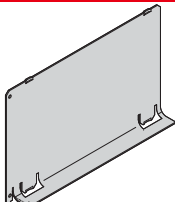
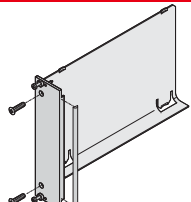
## DIVIDER PLATE

### ORDER INFORMATION

|                                                                                   |             |         |         |         | Divider plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------|-------------|---------|---------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   |             |         |         |         | Mounting position when stainless steel EMC gasket is used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                   |             |         |         |         | Mounting position when textile EMC gasket is used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|  |             |         |         |         | <br><br><p>Stainless steel, 1 mm, is mounted by clipping onto horizontal rail, space requirement on component side 2 mm; mounting direction varies with shielding design (EMC stainless steel or textile gasket); retrofitting the divider plate in an already-assembled subrack/case will first require dismantling of the horizontal rails; where front panels are unshielded, both mounting directions are possible</p> |
| Height<br>U                                                                       | Depth<br>mm | A<br>mm | B<br>mm | H<br>mm | PU 10 pieces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3                                                                                 | 160         | 158.3   | 135.0   | 113.5   | <b>34562-761</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                                                 | 220         | 218.3   | 195.0   | 113.5   | <b>34562-762</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6                                                                                 | 160         | 158.3   | 135.0   | 246.9   | <b>34562-763</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6                                                                                 | 220         | 218.3   | 195.0   | 246.9   | <b>34562-764</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## AIR BAFFLE FOR SLOTS

### ORDER INFORMATION

|                                                                                     |             |             | Air baffle without front panel                                                                                                                                                                                                       | Air baffle with front panel                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|-------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     |             |             | U front panel for textile EMC gasket                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                              |
|  |             |             | <br><p>Al, 1 mm, incl. assembly kit; prevents an air short circuit in unoccupied slot positions; is pushed into the groove of the guide rails</p> | <br><p>Air deflector, Al, 1 mm, front panel, Al extrusion, 2.5 mm, front anodised, rear conductive; EMC textile gasket, fixing materials kit prevents an air short-circuit where slots are unoccupied; is pushed into the groove of the guide rails</p> |
| Depth<br>mm                                                                         | Width<br>HP | Height<br>U | 1 piece                                                                                                                                                                                                                              | 1 piece                                                                                                                                                                                                                                                                                                                                      |
| 160                                                                                 | 4           | 3           | <b>34562-823</b>                                                                                                                                                                                                                     | <b>20848-728</b>                                                                                                                                                                                                                                                                                                                             |
| 160                                                                                 | 4           | 6           | <b>34562-826</b>                                                                                                                                                                                                                     | <b>20848-736</b>                                                                                                                                                                                                                                                                                                                             |
| 160                                                                                 | 8           | 3           | <b>34562-833</b>                                                                                                                                                                                                                     | 20848-730                                                                                                                                                                                                                                                                                                                                    |
| 160                                                                                 | 8           | 6           | <b>34562-836</b>                                                                                                                                                                                                                     | 20848-738                                                                                                                                                                                                                                                                                                                                    |
| 160                                                                                 | 12          | 3           | <b>34562-843</b>                                                                                                                                                                                                                     | 20848-732                                                                                                                                                                                                                                                                                                                                    |
| 160                                                                                 | 12          | 6           | <b>34562-846</b>                                                                                                                                                                                                                     | 20848-740                                                                                                                                                                                                                                                                                                                                    |
| 220                                                                                 | 4           | 3           | <b>34562-824</b>                                                                                                                                                                                                                     | 20848-729                                                                                                                                                                                                                                                                                                                                    |
| 220                                                                                 | 4           | 6           | 34562-827                                                                                                                                                                                                                            | 20848-737                                                                                                                                                                                                                                                                                                                                    |
| 220                                                                                 | 8           | 3           | 34562-834                                                                                                                                                                                                                            | 20848-731                                                                                                                                                                                                                                                                                                                                    |
| 220                                                                                 | 8           | 6           | 34562-837                                                                                                                                                                                                                            | 20848-739                                                                                                                                                                                                                                                                                                                                    |
| 220                                                                                 | 12          | 3           | 34562-844                                                                                                                                                                                                                            | 20848-733                                                                                                                                                                                                                                                                                                                                    |
| 220                                                                                 | 12          | 6           | 34562-847                                                                                                                                                                                                                            | 20848-741                                                                                                                                                                                                                                                                                                                                    |



# Desk-top cases – Introduction

## CASE TYPES: DESK-TOP ENCLOSURE/19" CASE



Desk-top enclosure, ratiopacPRO

19" case, comptec

### Desk-top enclosures

Our desk-top cases are used to house PCBs (euroboards) or individual components

The choice is yours:

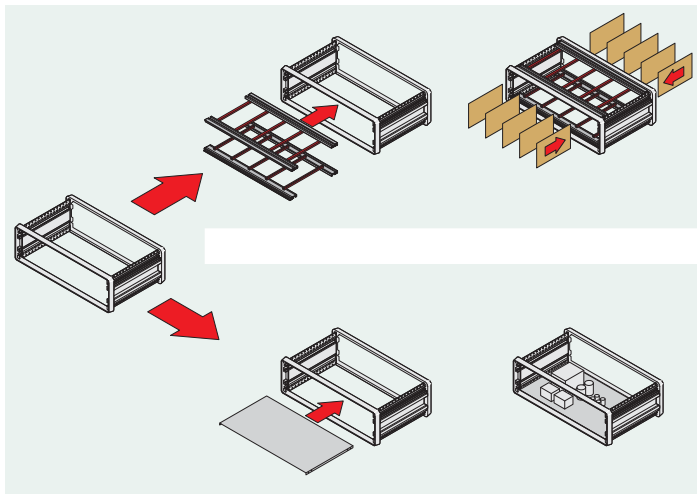
- ratiopacPRO, the universal case with 19" compatible dimensions and high EMC shielding, e.g. for CompactPCI and VME64x applications
- propacPRO, the robust case with high EMC shielding for 19"-compatible or custom electronics assemblies
- compacPRO, Desk-top or portable case for unshielded applications

### 19" cases

Our comptec cases are comparable with small cabinets and are used to house 19" components such as subracks, 19" fan trays or 19" front panels

All desk-top enclosures have a very low weight owing to the materials used and are also suitable for mobile use

## APPLICATIONS FOR DESK-TOP ENCLOSURES



### The most important user domains for desk-top enclosures are:

- Fitting with euroboards in accordance with IEC 60297



- Fitting with individual electrical or mechanical components, e.g. on mounting plates



## ONE PRODUCT PLATFORM AND EXTENSIVE ACCESSORIES



- Practical technology without time-consuming assembly. The modular product platform of these cases allows a wide range of possible uses with only a small number of components.

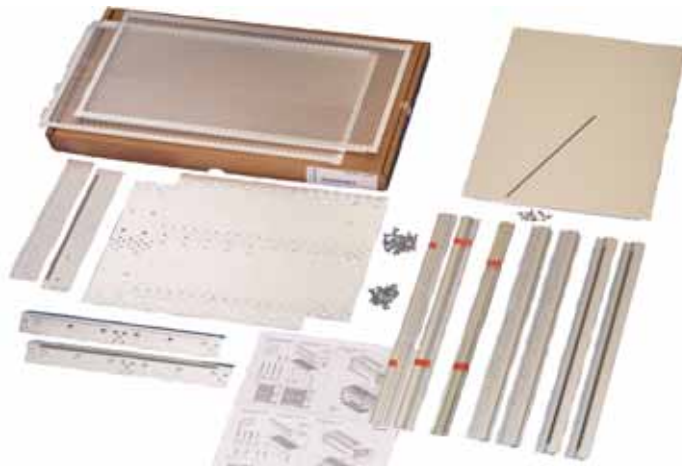
The intelligent design of all components results in an astonishingly quick and easy assembly of the components.

With our PRO product platform we offer you full compatibility of all individual components and accessories, also with our europacPRO subracks.

Standard desk-top enclosures can also be adapted easily and with little effort for mobile applications.

# Desk-top cases – Introduction

## FORMS OF DELIVERY FOR DESK-TOP ENCLOSURES



Flat pack delivery to save space

06104001

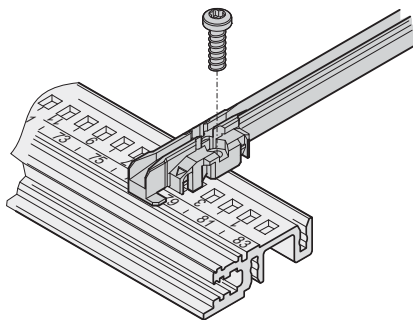
Supplied in space-saving packs. Simply unpack parts and screw together - done.

Depending on the kit chosen the threaded insert, the perforated rail or the EMC gasket is pre-assembled on the horizontal rail.

We offer you three forms of delivery:

- Pre-assembled kit for use with 160 mm deep euroboards, frame fitted, cladding parts and guide rails supplied loose.
- Pre-assembled kit for individual configuration, frame assembled, cladding parts supplied loose.
- Ready assembled cases to your specifications. With our ServicePLUS option you can order ready-assembled cases, with drilled holes and cut-outs and individual front panels - if necessary even by express service.

## GUIDE RAIL



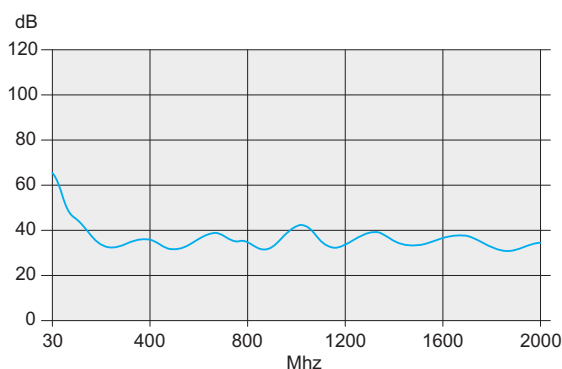
06108084

- Guide rails form the interface between the mechanics of the case and the electronics assembled (PCBs, plug-in units, frame type plug-in units, drive unit modules, etc.).

Robust snap-in fixings on the plastic rails assure that the components are held securely, even when exposed to vibrations.

Guide rails can also be screwed on.

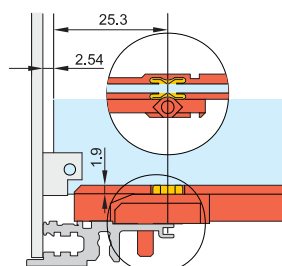
## EMC AND ESD



06108081

Shielding

- Our case product platforms offer standard solutions for achieving electromagnetic compatibility (EMC) and to avoid electrostatic interference (ESD)
- Shielding on the front and rear of the case is effected by front panels with EMC gaskets
- To prevent electrostatic discharge when inserting PCBs, ESD contacts are clipped into the guide rails. These provide a conductive connection between board and case earth/ground
- Test reports are available on our website [www.schroff.biz](http://www.schroff.biz) for download



04503050

Position of the ESD clip

# Desk-top cases – ServicePLUS

## Application examples



Application: ratiopacPRO-air case in special colour, shielded board cage, filter mat top and bottom

01809001



Application: ratiopacPRO-air case with processed front and rear panels

01809003



Application: compacPRO case, modified

02009001



Application: compacPRO case with fitted horizontal rail with lip and hinged front panel

02009003



Application: compacPRO case with fitted horizontal rail with lip and folding front panel

02009002



Application: compacPRO with tip-up carrying handle and front panel (without visible screws)

02009004



Application: inpac case with hinged and modified front and rear panels

02109001



Application: propacPRO, EMC case in special colour with mounting plates for individual construction

05809005

## Desk-top cases – ServicePLUS

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