Rittal - The System.

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Digital Brochure







Rittal Catalog 34/System Accessories

System Accessories

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Assembly Components

Snap-On Nut TS

Metric thread for vertical TS, SE enclosure section. To mount, insert and clip into slotted holes. The snap-on nut is then secured in place. When the screw is tightened, it is securely braced against the profile, and equipotential bonding is automatically created.

Installation options:

- On the vertical TS, SE enclosure section and on the horizontal SE enclosure section (top, in the width)
 - With M6 or M8 metric thread
 - An alternative to sheet metal screws
 - Particularly well-suited for dynamically-loaded connections

Material:

- Precision-cast stainless steel

Accessories for interior fitting

- 1 Support rails, see page 529
- 2 Cable clamping rails, see page 574
- 3 C rails 30/15, see page 528
- 4 System support rails, see page 529
- 5 TS punched rail 25 x 38 mm, see page 524

Thread	Packs of	Model No.
M6	20 pc(s).	8800.806
M8	20 pc(s).	8800.808

Also required:

 Multi-tooth screw M6 x 12 or M8 x 12, see page 539













Adapter Bracket TS

For mounting

- System lights
- System lightsCable ducts

On the vertical TS enclosure section and on the horizontal SE enclosure section (top, in the width)

Material:

Carbon steel

Surface finish:

Zinc-plated

Supply includes:

Assembly screws

Model No.
8800.360







Assembly Components



Mounting Bracket TS

Offers variable mounting options for 23 x 23 mm punched rail, e.g. to support external surfaces or create an additional internal level.

Material:

- Die-cast zinc

Supply includes:

- 24 sheet metal screws 5.5 x 13 mm.

Packs of	Model No.
24 pc(s).	8800.370



Accessories:

- U nuts (recommended: M6), see page 538.

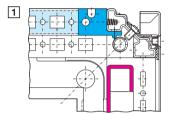
Installation options:

- On the vertical TS, SE enclosure section
 - flush with the outer edge of the enclosure or
 - flush with the enclosure clearance width



1 Support for the external surfaces with two mounting options:

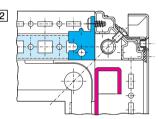
- Without mounting plate (photo)
- With mounting plate (drawing)





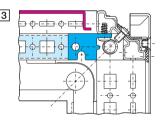
Two expansion options for the inner mounting level:

2 When no divider panel is mounted





When a divider panel is mounted, with or without mounting plate in forward position







Mounting Bracket PS

For variable attachment of 23 x 23 mm punched rails.

Installation options:

- Optionally flush with
- outer enclosure edge or
- enclosure clearance width
- On the vertical TS, SE enclosure section using
 Adapter rail for PS compatibility, see page 526
- On the horizontal TS enclosure section
- On the horizontal SE enclosure section, bottom
- On the horizontal SE enclosure section, top in the depth
- On enclosures and rails with rectangular hole profile 12.5 x 10.5 mm

Material:

- Die-cast zinc

Supply includes:

- 1 set =
- 1 mounting bracket
- 1 screw M6 x 12 mm,
- 1 captive nut M6

Packs of	Model No.
24 set(s)	4182.000



Also required:

- U nuts (recommended: M6), see page 538
- Multi-tooth screws M6 x 12 mm, see page 539

Assembly Components

Angle Bracket PS

For quick attachment of 23 x 23 mm punched rails.

Installation options:

- On the vertical TS, SE enclosure section using
 Adapter rail for PS compatibility, see page 526
- On the horizontal TS enclosure section
- On the horizontal SE enclosure section, bottom
- On the horizontal SE enclosure section, top in the depth
- On enclosures and rails with rectangular hole profile 12.5 x 10.5 mm

Material:

Carbon steel

Surface finish:

Zinc-plated

Supply includes:

- -1 set =
- 1 angle bracket, left
- 1 angle bracket, right
- 2 sheet metal screws 5.5 x 13 mm

Packs of	Model No.
12 set(s)	4181.000

Y

Also required:

- U nuts (recommended: M6), see page 538
- Multi-tooth screws M6 x 12 mm, see page 539







Support Bracket TS

For attaching:

- Punched section without mounting flange 23 x 73 mm, or
- Punched rails 23 x 23 mm

Installation options:

- On the vertical TS, SE enclosure section
- in 25 mm hole pattern
- in 2 mm increments
- On the horizontal SE enclosure section, in the width, top

Material:

- Die-cast zinc

Supply includes:

- 1 set =
 - 1 support bracket
 - 1 stay
 - 3 sheet metal screws 5.5 x 13 mm

Model No.	Packs of
8800.330	6 set(s)



Also required:

- U nuts (recommended: M6), see page 538
- Multi-tooth screws M6 x 12 mm, see page 539





Support Bracket PS

For attaching:

- Punched section without mounting flange 23 x 73 mm, or
- Punched rails 23 x 23 mm

Installation options:

- On the vertical TS enclosure section using
- Snap-on nut 8800.806, see page 533 or
- Adapter rail for PS compatibility, see page 526
- On the horizontal TS enclosure section
- On the horizontal SE enclosure section, bottom
- On the horizontal SE enclosure section, top in the depth
- On enclosures and rails with rectangular hole profile 12.5 x 10.5 mm

Material:

Die-cast zinc

Supply includes:

- 1 set =
- 1 support bracket
- 2 countersunk screws
- 2 serrated washers

Packs of	Model No.
24 set(s)	4183.000



Also required:

- U nuts (recommended: M6), see page 538
- Multi-tooth screws M6 x 12 mm, see page 539
- Adapter rail for PS compatibility (for mounting on vertical enclosure section), see page 526

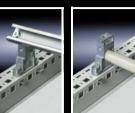






Assembly Components











For the attachment of C rails, support profiles or cable clamping rails (angle profile). On the sides, to accommodate square sections or tubes (Ø 20 mm). Fastening points with M8 thread.

Installation options:

- On the vertical TS, SE enclosure section using Snap-on nut 8800.808, see page 533
- Adapter rail for PS compatibility, see page 526
- On the horizontal TS enclosure section
- On the horizontal SE enclosure section, bottom
- On the horizontal SE enclosure section, top in the
- On enclosures and rails with rectangular hole profile 12.5 x 10.5 mm

Packs of	Model No.
6 set(s)	4199.000

Material:

Die-cast zinc

Supply includes:

- 1 set =
 - 1 bracket / spacer
- 2 screws M8 x 16 mm
- 2 spring lock washers
- 2 captive nuts M8 2 serrated washers
- 2 sheet metal screws



Accessories:

Angle piece 4134.000, see page 536





Quick-Assembly Block

For a variety of configuration options.

Installation options:

- On the vertical TS, SE enclosure section using Snap-on nut 8800.808, see page 533
- Adapter rail for PS compatibility, see page 526
 On the horizontal TS enclosure section
- On the horizontal SE enclosure section, bottom
- On the horizontal SE enclosure section, top in the depth
- On enclosures and rails with rectangular hole profile 12.5 x 10.5 mm

Packs of	Model No.
12 pc(s).	4133.000

Material:

Die-cast zinc

Supply includes:

- 12 quick-assembly blocks
- 12 speed nuts M8
- 24 screws M8 x 12 mm
- 24 square nuts M8





Angle Piece

For the configuration of punched rails and mounting surfaces with a 45° slope.

Installation options:

- On the vertical TS, SE enclosure section using Snap-on nut 8800.806, see page 533
- Adapter rail for PS compatibility, see page 526
- On the horizontal TS enclosure section
- On the horizontal SE enclosure section, bottom On the horizontal SE enclosure section, top in the
- depth On enclosures and rails with rectangular hole profile 12.5 x 10.5 mm

Model No.	Packs of
4134.000	12 set(s)

- Angle pieces: Die-cast zinc
- Insulating pieces: Plastic

Supply includes:

- 1 set =
 - 1 angle piece
 - 1 insulating piece
 - 1 insulating screw
 - 2 assembly screws

Assembly Components

Universal Bracket

For the installation of

- Enclosure lights in
 - AE compact enclosures
- Door-operated switches in
- AE compact enclosures
- TP TopConsole system
 Cable conduit holders 2593.000 and 2591.000 in - AE compact enclosures
- Support rails for terminals in
 - Command panels and command panel hous-

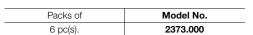
Assembly screws are concealed when the door is closed. Éxisting holes for mounting blocks or hinges may be used with AE.

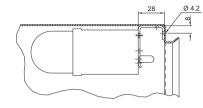
Material:

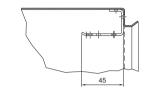
Carbon steel, zinc-plated

Supply includes:

Assembly components













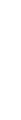
Rail Mounting Bracket

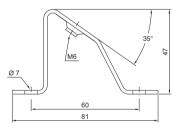
for individual rail mounting.

Material:

- Carbon steel, zinc-plated

Rail Mounting Bracket	Packs of	Model No.
Flat	20 pc(s).	2365.000
Inclined	20 pc(s).	2366.000











Mounting Block

As an accessory for additional interior fittings, e.g. to fit cable ties, PS punched rails, top hat rails and C rails (e.g. for a second mounting level).

Supply includes:

- Assembly components

Packs of	Model No.
20 pc(s).	2574.000



Assembly Components



U Nuts

for

- Punched rail 23 x 23 mm
- Punched section without mounting flange 23 x 73 mm
- Punched section without mounting flange 45 x 88 mm
- System chassis 23 x 73 mm

For mounting punched rails and punched sections without mounting flange on angle brackets, mounting brackets and support brackets, we recommend U nuts with M6 thread, 4179.000.

Thread	Packs of	Model No.
M4	20 pc(s).	4119.000
M5	20 pc(s).	4157.000
M6	20 pc(s).	4179.000
M8	20 pc(s).	4180.000



Accessories:

 Multi-tooth screws M6 x 12 mm, for 4179.000, see page 539

Captive Nuts/Threaded Blocks

Installation options:

On enclosures and rails with rectangular hole profile $12.5 \times 10.5 \text{ mm}$

as for example on

- TS, SE enclosure section
 - Vertical, via adapter rail for PS compatibility
 - TS horizontal, direct
- SE horizontal bottom, direct
- SE horizontal top (in the depth only), direct
- Punched rails 23 x 23 mm
- Punched section without mounting flange 23 x 73 mm
- Punched section without mounting flange 45 x 88 mm
- System chassis 23 x 73 mm



Possible alternative:

 On the vertical TS enclosure section TS snap-on nut, see page 533









Captive nut

The compression spring designed as an insertion aid ensures reliable mechanical and electrical connection in the hole profile.

Thread	Packs of	Model No.
M5	50 pc(s).	4166.000
M6	50 pc(s).	4164.000
M8	50 pc(s).	4165.000

Threaded blocks

With snap-off insertion aid, made from die-cast zinc.

Thread	Packs of	Model No.
M6	50 pc(s).	4162.000
M8	50 pc(s).	4163.000

Captive nut

The nuts are inserted from the same side as screwfastening takes place. This allows fastening points at the same height and width across corners.

The spring retainer also provides for electrical connection in the system punchings.

Model No.	Packs of	Thread
8800.340	50 pc(s).	M6
8800.350	50 pc(s).	M8

Assembly Components

Spring Nut M5

For Comfort Panel from an installation depth of 74 mm. The spring ensures reliable protection from unintentional displacement.

Further interior fitting, e.g. with

- Mounting bracket 4597.000 (see page 531) or
- Mounting bracket for interior fitting 6205.100 (see page 532)

Material:

Steel, zinc-plated

Packs of	Model No.
50 pc(s).	6108.000



Threaded Inserts M6

for KS

To secure installed equipment to the molded bosses in the door and in the rear housing panel. Screw length available for insertion: 8 mm.

Packs of	Model No.
20 pc(s).	1482.000



Multi-tooth screws

M6 x 12 suitable for:

- Snap-on nuts (8800.806)
- U nuts (4179.000)
- Captive nuts (4164.000)
- Threaded blocks (4162.000)

M8 x 12 suitable for:

■ Snap-on nuts (8800.808)

Multi-tooth sheet metal screws

For \oslash 4.5 mm round holes in the enclosure profile, punched rails and punched section without mounting flange.

Multi-tooth drive for optimum transmission of torques, extended tool life and increased safety and reliability when tightening and loosening screw connections.

Type of screw	Dimensions mm	Packs of	Model No.
Multi-tooth screws	M6 x 12 M8 x 12	300 pc(s). 300 pc(s).	2504.500 2504.800
Multi-tooth sheet metal screws	5.5 x 13	300 pc(s).	2486.500
Multi-tooth sheet metal screws for stainless steel	5 x 13	300 pc(s).	2486.300
Self-tapping screws: Hex screws Posidrive raised countersunk screws Pan-head screws, posidrive Pan-head screws, multi-tooth	M5 x 10 M5 x 12 M5 x 12 M5 x 12	500 pc(s). 500 pc(s). 500 pc(s). 500 pc(s).	2504.000 2488.000 2489.000 2489.500
Self-tapping screws	ST 4.8 x 16	300 pc(s).	2487.000









Self-tapping screws

For \varnothing 4.5 mm round holes in the enclosure profile, punched rails and punched section without mounting flange.

Self-tapping screws

Mark, drill and tighten in a single operation using electric or pneumatic tools.

For plate thickness: 0.8 – 3 mm

Length: 16 mm Useful length: 9.5 mm Width across flats: 8 mm