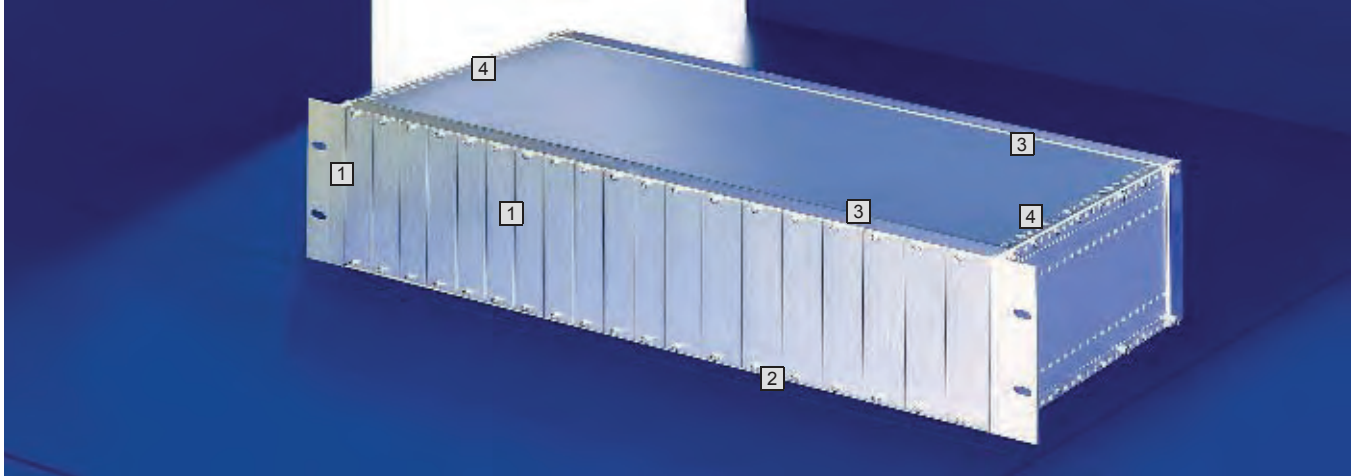


# Components for EMC Installation

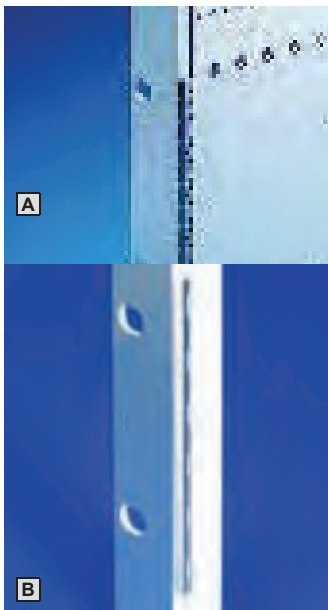


EMC (electromagnetic compatibility) refers to the ability of an electrical device to function satisfactorily in its electromagnetic environment without influencing or being influenced by this environment more than is admissible.

These requirements were taken into account when developing the Rittal subracks. They are made entirely from metal and coated with a conductive surface finish.

Stainless steel EMC gaskets ensure conductive connection of the separate parts.

- 1 EMC gaskets, vertical
- 2 EMC gaskets, horizontal
- 3 EMC gaskets for covers
- 4 Mounting blocks



### EMC gaskets, vertical

To ensure EMC protection between the subrack side panel and the front/rear panels. There are two versions available.

#### Suitable for mounting on:

- 482.6 mm (19") flanges for subracks
- Corner trims, rear
- EMC contact strip
- U-channel front panels
- Trim panels for Ripac Vario-Module
- Flanges for Ripac Vario-Module

#### Material:

Stainless steel

German patent no. 101 15 525 and no. 198 46 627  
 US patent no. 6,500,012  
 US patent no. 7,044,753



### A Version 1: Segmented

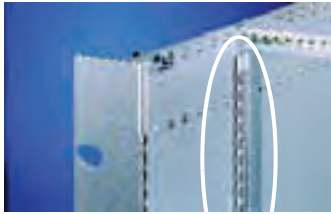
U	Model No. RP Packs of 1	Model No. RP Packs of 10
1	3686.973	3684.236
2	3686.974	3684.237
3	3686.975	3684.238
4	3686.976	3684.239
6	3686.977	3684.240
7	3686.978	3684.241
9	3686.979	3684.242
10	3686.980	3684.243
11	3686.981	3684.244

Custom lengths available upon request.

### B Version 2: One-piece

U	Model No. RP Packs of 1
2	3688.610
3	3688.611
4	3688.612
5	3688.613
6	3688.614
7	3688.615
8	3688.634
9	3688.616
10	3688.609
11	3688.633
12	3688.606

## Components for EMC Installation

**EMC contact strip**

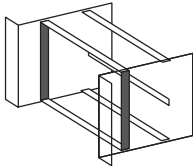
To ensure EMC protection when horizontal rails are set-back. Integral channel to accommodate EMC gaskets.

**Material:**

Extruded aluminium section, clear-chromated

**Note:**

2 sections are required for each subrack.



EMC

U	Packs of	Model No. RP
3	1	3684.643
6	1	3684.644
9	1	3684.645



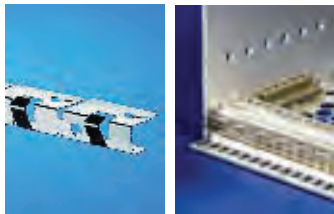
Custom lengths available upon request.

**Also required:**

EMC gaskets, vertical.

Assembly screws M3 x 6, packs of 100.

Model No. RP 3684.233.

**EMC gaskets, horizontal (K)**

For horizontal EMC protection. For snap-fastening onto the front horizontal rails.

**Material:**

Stainless steel

European patent no. 0 937 375

with validity for DE

US patent no. 6,137,052

Chinese patent

no. ZL 97 1 98582.0

EMC

Usable width (HP)	Packs of	Model No. RP
For top/bottom horizontal rail		
40	1	3684.974
84	1	3684.808
84	10	3684.246
For sub-division of 6 U into 2 x 3 U, between 2 horizontal rails		
84	1	3685.789
84	10	3685.229



Custom lengths available upon request.

**EMCgaskets**

for covers

For EMC shielding between the horizontal rails and covers.

**Material:**

Stainless steel

EMC

HP	Packs of	Model No. RP
84	10	3684.245



Custom lengths available upon request.

**Mounting blocks**

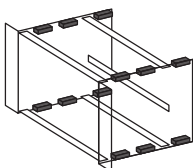
For mounting covers, versions 1 – 4, on the subrack side panel.

**Material:**

Die-cast zinc, nickel-plated

**Note:**

For EMC applications, mounting blocks must be fitted across the entire subrack depth. The table here shows the number of mounting blocks required to install 1 cover plate with EMC shielding.



EMC

	Packs of	Model No. RP
Mounting blocks 28.5 mm long	10	3684.234

**Also required:**

Assembly screws M3 x 6, packs of 100.

Model No. RP 3684.233.

Number of mounting blocks for max. EMC protection	Cover plate depth mm
4	142
8	192
10	212
12	252
14	272
16	312
18	332
20	372
24	432
28	492
32	552