

2: Front Panels for Plug-In Units



2.3 Plug-In Units acc. to IEEE

2.3.1 EMC Front Panels Aluminium with EMC Gasket acc. IEEE

- Excellent EMC shielding
- Immune to snagging
- EMC-gasket slid onto the extrusion
- **Scope of delivery:**
 - EMC front panel, incl. press-in bushes M2.5 (size ≥ 10 HP)
- EMC-gasket see 2.3.1.1
- Handle has to be ordered separately, see 2.3.5
- Front panel screw (size ≥10 HP), see 2.3.1.2



2.3.1 Front Anodised, Rear Conductive (2 cutouts)

- With 2 cutouts (bottom + top)

Width	Part-No. 3 U	Part-No. 6 U
4 HP	66-514-23	66-514-26
5 HP	66-515-23	66-515-26
6 HP	66-516-23	66-516-26
8 HP	66-518-23	66-518-26
9 HP	66-519-23	66-519-26
10 HP	66-520-23	66-520-26
12 HP	66-522-23	66-522-26
14 HP	66-534-23	66-534-26

2.3.2 Front Anodised, Rear Conductive (1 cutout)

- With 1 cutout (bottom)
- Incl. pressed-in centring pin and bush M2.5 (top)
- Incl. cutout for mounting of card holder 61-156 (top) with screw 5322-08 (see 2.2.2.4)

Width	Part-No. 3 U
4 HP	66-514-43
5 HP	66-515-43
6 HP	66-516-43
8 HP	66-518-43
9 HP	66-519-43
10 HP	66-520-43
12 HP	66-522-43
14 HP	66-534-43

2.3.3 Front and Rear Side Raw

- With 2 cutouts (bottom + top)

Width	Part-No. 3 U	Part-No. 6 U
4 HP	66-514-63	66-514-66
6 HP	66-516-63	66-516-66
8 HP	66-518-63	66-518-66
10 HP	66-520-63	66-520-66
12 HP	66-522-63	66-522-66

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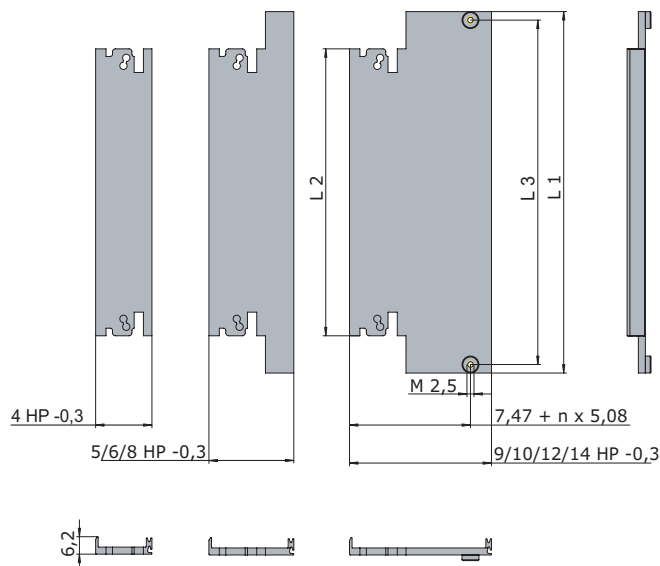
2.3.1.1 EMC-Gasket (Stainless Steel)

Unit	Part-No. 3 U	Part-No. 6 U
1 pc.	81-062-03	81-062-06
10 pcs.	81-062-03-1	81-062-06-1
100 pcs.	81-062-03-2	81-062-06-2

2.3.1.2 Front Panel Screw

- For EMC front panels size ≥ 10 HP = 2 additional screws are needed

Description	Part-No. 2 pcs.	Part-No. 100 pcs.
Cross recessed round head screws M2.5 x 12.7	61-287-4	1904-41
Torx screws M2.5 x 11.3, size T8	63K482	1904K41

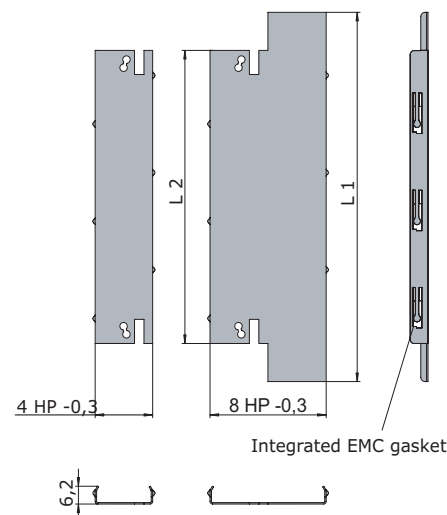


Dimensions

Height	L1 mm	L1 inch	L2 mm	L2 inch	L3 mm	L3 inch
3 U	128.55	5.06	102.05	4.01	122.50	4.82
6 U	261.90	10.31	235.40	9.27	255.85	10.07

2.3.4 EMC Front Panel Stainless Steel acc. IEEE

- Very good EMC shielding
- Economic solution
- EMC-spring integrated in front panel
- Stainless steel
- Scope of delivery:**
 - EMC front panel
- Handle has to be ordered separately, see 2.3.4



2.3.4 Front and Rear Side Untreated, Stainless Steel

Width	Part-No. 3 U	Part-No. 6 U
4 HP	28-304	28-604
8 HP	28-308	28-608

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2.3.5 Injector/Ejector Handles acc. to IEEE

Type			Mounting	ESD Pin	Colour	Part-No 1 pc.	Part-No. 100 pcs.
Ergonomic			Bottom	With ESD-pin	Black	81-076	81-076-2
Ergonomic			Top	With ESD-pin	Black	81-075	81-075-2
Ergonomic			Bottom	Without ESD-pin	Black	81-076-01	81-076-01-2
Ergonomic			Top	Without ESD-pin	Black	81-075-01	81-075-01-2
Ergonomic	Hot Swap		Bottom	With ESD-pin	Black	81-096	81-096-2
Ergonomic	Hot Swap		Top	With ESD-pin	Black	81-095	81-095-2
Ergonomic	Hot Swap		Bottom	Without ESD-pin	Black	81-096-01	81-096-01-2
Ergonomic	Hot Swap		Top	Without ESD-pin	Black	81-095-01	81-095-01-2
Ergonomic	Hot Swap	Offset	Bottom	With ESD-pin	Black	81-185	81-185-2
Ergonomic	Hot Swap	Offset	Top	With ESD-pin	Black	81-184	81-184-2
Classic			Bottom	With ESD-pin	Black	81-261	81-261-2
Classic			Top	With ESD-pin	Black	81-260	81-260-2
Classic		Offset	Bottom	With ESD-pin	Black	81-161	81-161-2
Classic		Offset	Top	With ESD-pin	Black	81-160	81-160-2
Classic	Hot Swap		Bottom	With ESD-pin	Black	81-256	81-256-2
Classic	Hot Swap		Top	With ESD-pin	Black	81-255	81-255-2
Classic	Hot Swap	Offset	Bottom	With ESD-pin	Black	81-156	81-156-2
Classic	Hot Swap	Offset	Top	With ESD-pin	Black	81-155	81-155-2
Telecom	Hot Swap		Bottom	With ESD-pin	Black	81-206	81-206-2
Telecom	Hot Swap		Top	With ESD-pin	Black	81-205	81-205-2
Telecom	Hot Swap		Bottom	Without ESD-pin	Black	81-206-01	81-206-01-2
Telecom	Hot Swap		Top	Without ESD-pin	Black	81-205-01	81-205-01-2
Telecom	Hot Swap	Offset	Bottom	With ESD-pin	Black	81-189	81-189-2
Telecom	Hot Swap	Offset	Top	With ESD-pin	Black	81-188	81-188-2
Telecom long	Hot Swap		Bottom	With ESD-pin	Black	81-215	81-215-2
Telecom long	Hot Swap		Top	With ESD-pin	Black	81-214	81-214-2
Telecom long	Hot Swap	Offset	Bottom	With ESD-pin	Black	81-116	81-116-2
Telecom long	Hot Swap	Offset	Top	With ESD-pin	Black	81-117	81-117-2
Microswitch						81-088-1 (10 pcs.)	81-088-2

For more information refer to chapter 3 "Handles".

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2.3.6 Card Holder and Coding Pins acc. to IEEE

- Scope of delivery:**

- End piece card holder (zinc die-cast, nickel plated)
- Assembly material
(screws M2.5 for fixing of front panel/card holder/printed board)



2.3.6.1 Card Holder/End Piece *with* ESD Pin

Description	Part-No. 1 pc.	Part-No. 100 pcs.
Top	81-018	81-018-2
Bottom	81-019	81-019-2



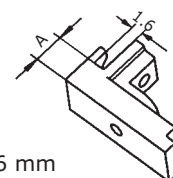
2.3.6.2 Card Holder/End Piece *without* ESD Pin

Description	Part-No. 1 pc.	Part-No. 100 pcs.
Top	81-018-01	81-018-01-2
Bottom	81-019-01	81-019-01-2



2.3.6.3 Middle Part

- Usable for all front panels
- For positioning and fixing of 6 U and 9 U cards, card thickness 1.6 mm
- Material: Plastic UL94 V-0



Description	A mm	inch	Part-No. 10 pcs.	Part-No. 100 pcs.
Aluminium 2.5 mm	2.5	0.10	61-960-1	61-960-2
Stainless steel	4.5	0.18	61-963-1	61-963-2

Assembly Material

Description	Part-No. 100 pcs.
100 screws (PT-countersunk, 2.5 x 6)	5534-06-2



2.3.6.4 Coding Pins

- Acc. to IEC 60297-3-103
- Plastic, UL94 V-0
- Can be rotated in 4 positions
- Card guides see 2.6.2

Description	Part-No. 1 pc.	Part-No. 100 pcs.
Grey	81-054-02	81-054-02-2
Dark red	81-054-06	81-054-06-2
Black	81-054-04	81-054-04-2