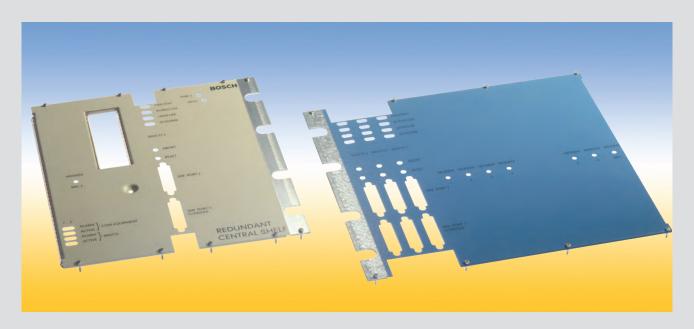
## **Front Panels**





In addition to the wide range of standard front panels we also provide on request individual customer specific front panels with punching, surface finish and silk screening.

Textured or smooth painted in all revelant RAL-colors, abrasion-resistant silk-screen printing as well as color coordinated engraving give your front panel an individual appearance.

Please ask your local representative for your individual front panel design.
You find your contact person on our homepage:
www.intermas-el.com

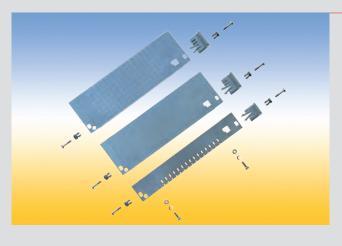
# Front Panels and Handles



√ Blind Front Panels

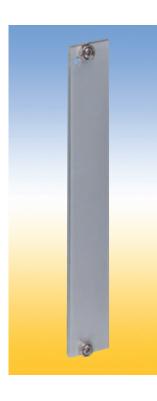


- Front Panels with Handle
- Handles
- Front Panels with Ejector Handle Ejector Handles
- Front Panels with IEEE Handle
- **IEEE-Handles**



**Plastic Front Panels** 

#### **Blind Front Panels**



#### **Blind Front Panels**

For covering empty sections or to carry various components in subracks.

Four versions are available:

1. Flat front panel blank

The front side is covered with a removable transparent foil.

2. Flat front panel anodized

Front anodized, rear conductive.

3. Flat front panel RFI

Front anodized, rear conductive, with slits in the side edges for insertion of RFI springs.

4. Extruded front panel RFI

Made of extruded aluminum alloy, with slits in the side edges for insertion of RFI springs for contact.

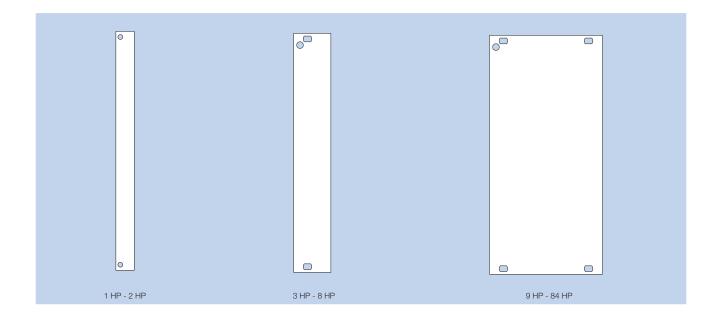
Surface finish is passivated.

#### Material

Flat front panel: aluminum 2.5 mm thick Extruded front panel: aluminum

#### Delivery

Front panels are delivered unassembled as single parts or as a kit.



# **Blind Front Panels**

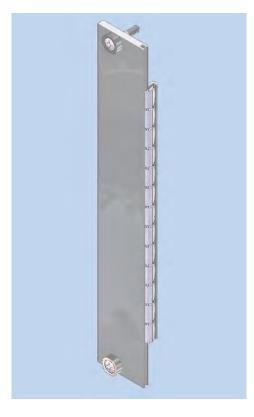
## Ordering details blind front panels (flat front panel)

<u> </u>		. ,			
		3 U	3 U	6 U	6 U
			anodized/		anodized/
		blank	conductive	blank	conductive
	nom. width	order no.	order no.	order no.	order no.
	[HP]	409.	409.	409.	409.
Blind front panel	1	097 201	-	097 601	-
Blind front panel	2	097 202	-	097 602	-
Blind front panel	3	097 203	-	097 603	-
Blind front panel	4	097 204	097 404	097 604	097 804
Blind front panel	5	097 205	-	097 605	-
Blind front panel	6	097 206	097 406	097 606	097 806
Blind front panel	7	097 207	-	097 607	-
Blind front panel	8	097 208	097 408	097 608	097 808
Blind front panel	10	097 210	-	097 610	-
Blind front panel	12	097 212	097 412	097 612	097 812
Blind front panel	14	097 214	097 414	097 614	097 814
Blind front panel	21	097 221	097 421	097 621	097 821
Blind front panel	28	097 228	097 428	097 628	097 828
Blind front panel	42	097 242	097 442	097 642	097 842
Blind front panel	84	097 284	097 484	097 684	097 884

#### Accessories

Minimum order quantity 100 pieces				
	pieces for 1-2 HP	pieces for 3-8 HP	pieces for 9-85 HP	order no. <b>409.</b>
Screw retainer M2.5 gray	-	2	4	100 539
Screw retainer M2.5 black	-	2	4	100 538
Cross-head screw M 2.5 x 11.3	2	2	4	101 917

## **Blind Front Panels RFI**



#### Ordering details kit - blind front panel RFI

		a ironi panoi		
	3 U	3 U	6 U	6 U
	extruded		extruded	
nom. width	order no.	order no.	order no.	order no.
[HP]	409.	409.	409.	409.
1	114 453	-	114 464	-
2	114 454	-	114 465	-
3	114 455	-	114 466	-
4	114 361	113 583	114 387	-
5	114 362	-	114 388	-
6	114 363	113 586	114 389	-
7	114 365	-	114 390	-
8	114 366	-	114 391	-
9	114 367	-	114 392	-
10	114 368	-	114 393	-
12	-	113 589	-	113 608
14	-	113 590	-	113 609
21	-	113 592	-	113 611
28	-	113 593	-	113 612
42	-	113 594	-	113 613
43	-	114 487	-	-
84	-	113 595	-	113 614
85	-	113 596	-	-

**Finish:** flat front panel: front side anodized, rear side conductive extruded front panel: passivated

#### Delivery kit - blind front panel RFI:

	pieces for 1-2 HP
Front panel	1
	1/2
Grounding bushing M2.5	-
Mounting parts-kit	1

pieces for
3-8 HP
4
I
1/2
2
1

	pieces for 9-43 HP
	9-43 HP
_	1
	1/2
	4
	1

#### pieces for 44-85 HP 1 1 / 2 6 1

#### Accessories

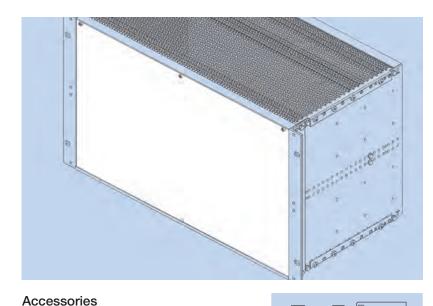
Roller cutter to assemble the RFI spring F3

order no.: 409. 118 433

#### Ordering details single part blind front panel RFI

Ordering de	Ordering details single part billid front parier NF1					
	3 U	3 U	6 U	6 U		
	extruded		extruded			
nom. width	order no.	order no.	order no.	order no.		
[HP]	409.	409.	409.	409.		
1	114 458	-	114 469	-		
2	114 459	-	114 470	-		
3	113 027	-	114 476	-		
4	111 608	112 252	111 618	-		
5	113 028	-	114 384	-		
6	111 609	112 258	111 619	-		
7	111 610	-	111 620	-		
8	111 611	-	111 621	-		
9	113 029	-	114 385	-		
10	113 030	-	114 386	-		
12	-	112 551	-	112 611		
14	-	112 557	-	112 617		
21	-	112 578	-	112 638		
28	-	112 821	-	112 943		
42	-	112 581	-	112 641		
43	-	114 082	-	-		
84	-	113 598	-	113 617		
85	-	113 599	-	-		

# Front Panels plug-in, hinged



order no.

114 562

114 708

114 715

409.

#### Plug-in Front Panel 85 HP

The front panel bottom edge is inserted in the groove of a specially profiled rail. With slits in the side edges for insertion of RFI springs.

To be used in combination with below mentioned flanges only.

#### Finish:

front side anodized, rear side conductive

#### Delivery:

- 1 front panel
- 3 grounding bushing M 2.5
- 3 cross-head screw M 2.5 x 11.3

order no. 409.

113 948

113 950

Ordering details for kit

Plug-in front panel 3 U Plug-in front panel 6 U

# RFI spring F3 - 3U 111 112 RFI spring F3 - 6U 111 116 For one front panel 2 RFI springs are needed

rail VE12SFP-RFI-85

Flange RFI - FP - 3 U

Flange RFI - FP - 6 U

#### Hinged Front Panel 85 HP

With slits in the side edges for insertion of RFI springs. The hinge is screwed to the prprofiled rail of the subrack. An 84 HP threaded strip is needed.

To be used in combination with below mentioned flanges only.

#### Finish:

front side anodized, rear side conductive

#### Delivery:

- 1 front panel
- 1 hinge
- 3 grounding bushings
- Mounting parts

**Delivery:** as unassembled kit. Assembled kits on request.

#### Ordering details for kit

	<b>409.</b>
Hinged front panel 3 U	113 705
Hinged front panel 6 U	113 706

Accessories	
	order no. <b>409.</b>
Threaded strip 84 HP	078 428
Flange RFI - FP - 3 U	114 708
Flange RFI - FP - 6 U	114 715
RFI spring F3 - 3U	111 112
RFL spring F3 - 6U	111 116

For one front panel 2 RFI springs are needed.

#### Front Panels with Handle



#### Front Panels with Handle

For assembly on a PCB.

Handle and front connector are screwed on the front panel. The plain front panel is easy to modify.

Four versions are available:

1. Flat front panel blank

The front side is covered with a removable transparent foil.

2. Flat front panel anodized

Front anodized, rear conductive.

3. Flat front panel RFI

Front anodized, rear conductive.

With slits in the side edges for insertion of RFI springs.

4. Extruded front panel RFI

Made of extruded aluminum alloy, with slits in the side edges for insertion of RFI springs for contact.

Surface finish is passivated.

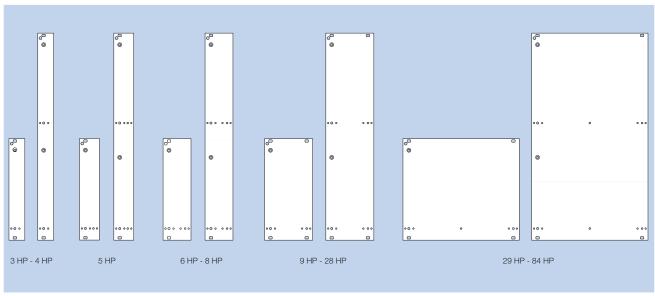
#### Material

Flat front panel: aluminum 2.5 mm thick

Extruded front panel: aluminum

#### Delivery

Front panels are delivered unassembled as single parts or as a kit.



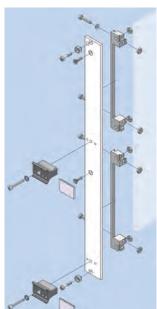
Hole pattern of the front panels

# Front Panels with Handle



#### Ordering details kit front panel with handle (flat front panels)

(nat from panels)					
	3 U	6 U			
	anodized/	anodized/			
	conductive	conductive			
nom. width	order no.	order no.			
[HP]	409.	409.			
4	107 518	122 624			
6	122 622	122 625			
8	107 520	122 626			
10	107 521	122 627			
12	107 522	122 628			



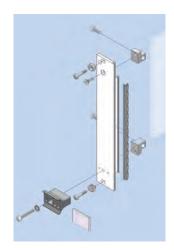
#### Delivery kit - front panel with handle

	3 U pieces for 3-8 HP	3 U pieces for 9-12 HP	6 U pieces for 3-8 HP	6 U pieces for 9-12 HP
Front panel	1	1	1	1
Handle gray	1	1	2	2
Ident-plate aluminum	1	1	2	2
Front connector FEE	1	1	2	2
Screw retainer M 2.5	2	4	2	4
Mounting parts	1	1	1	1

## Ordering details - single part front panel for handle (flat front panel)

ordering details - single part from panel for hardie (nat from panel)					
nom. width	3 U blank order no. 409.	3 U anodized/ conductive order no. 409.	6 U blank order no. 409.	6 U anodized/conductive order no.	
3	096 403	-	096 703	-	
4	096 404	096 604	096 704	096 904	
5	096 405	096 605	096 705	096 905	
6	096 406	096 606	096 706	096 906	
7	096 407	-	096 707	-	
8	096 408	096 608	096 708	096 908	
10	096 410	096 610	096 710	096 910	
12	096 412	096 612	096 712	096 912	
16	096 416	-	096 716	-	
21	096 421	-	096 721	-	

## Front Panels RFI with Handle



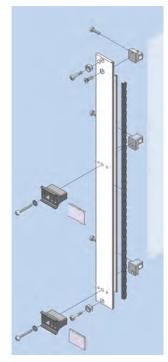
#### Ordering details kit - front panel RFI with handle

	3 U	3 U	6 U	6 U
	extruded		extruded	
nom. width	order no.	order no.	order no.	order no.
[HP]	409.	409.	409.	409.
3	114 537	-	114 541	-
4	114 377	-	114 404	-
5	114 378	-	114 405	-
6	114 379	-	114 406	-
7	114 380	-	114 407	-
8	114 381	-	114 408	-
10	114 383	-	114 410	-
12	-	113 685	-	113 693

#### Finish:

Flat front panel: front side anodized, rear side conductive

Extruded front panel: passivated



#### Delivery kit - front panel RFI with handle

	3 U pieces for 3-8 HP	3 U pieces for 9-12 HP	6 U pieces for 3-8 HP	6 U pieces for 9-12 HP
Front panel	1	1	1	1
Handle gray	1	1	2	2
Ident-plate aluminum	1	1	2	2
Front connector metal	2	2	3	3
Grounding bushing M 2.5	2	4	2	4
Mounting parts	1	1	1	1

#### Accessories

order no. 409.

For one flat front panel 2 RFI-springs are needed.

RFI spring F3 - 3U 111 112

RFI spring F3 - 6U 111 116

For assemble the RFI spring F3

Roller cutter 118 433

#### Ordering details single part front panel RFI for handle

	3 U extruded	3 U	6 U extruded	6 U
nom. width	order no. <b>409.</b>	order no. <b>409.</b>	order no. 409.	order no. <b>409.</b>
3	114 538	_	114 540	-
4	114 370	113 711	114 396	-
5	114 371	-	114 397	-
6	114 372	113 723	114 399	-
7	114 373	-	114 400	-
8	114 374	113 725	114 401	-
10	114 376	-	114 403	-
12	-	113 729	-	113 762

# Handle and Handle Strip



#### Handle FP

Assembled with M2.5 screws and with 1 additional self tapping screw from 6 HP. The handle is held against torsion by means of two nipples.

#### Technical data

Material

Color

Continous temperature

Fire protection class

Polycarbonate, 10% fiber-glass reinforced

gray RAL 7032, black

- 40 °C to + 100 °C

UL 94 V-0



# 058 719

#### Ordering details handle FP

width [HP]	length [mm]
3	13.80
4	18.88
5	23.96
6	29.04
7	34.12
8	39.20

gray order no. <b>409.</b>	black order no. <b>409.</b>
409.	409.

102 115 041 657
102 114 100 667
103 005 103 205
103 006 103 206
103 007 103 207
103 008 103 208

#### Ordering details handle strip FP

width [HP]	length [mm]
10	49.36
12	59.52
16	79.84
21	105.24
42	211.92

<u> </u>	
gray	k
order no.	
409.	4

103 810	
103 812	
103 816	
103 821	
103 842	

black order no. 409.

#### Accessories handles:

Minimum order quantity each 100 pieces

Pan head screw M 2.5 x 16
Washer 2.7
Hexagonal nut M 2.5 DIN 439

order no. 409.



Self tapping screw M 2.5 x 10

#### Ident Plate

for handle FP. The ident plate is markable and printable, snapped in after mounting the handle to the front panel.

#### Ordering details ident-plate

Oracining ac	talis lacini-pi	aic	
width [HP]	length [mm]	aluminum order no. 409.	crystal clear order no. 409.
3	13.80	017 929	089 238
4	18.88	017 956	089 240
5	23.96	022 791	-
6	29.04	022 792	-
7	34.12	022 793	-
8	39.20	022 794	-
10	49.36	022 796	-
12	59.52	022 798	-
16	79.84	022 802	-
21	105,24	022 807	-
42	211.92	040 652	-

#### Technical data

Material
Finish
Continous temperature
Fire protection class

aluminum or Polycarbonate, crystal clear

Alu: silver silk-anodized

PC: - 40 °C to + 115 °C PC: UL 94 V-2

# Front Panels with Ejector Handle



#### Front Panels with Ejector Handle

For easy release of PCB's with high pin connections. The ejector handle is extends through the front panel and is screwed together with the bearing bushing at the front connector.

Four versions are available:

1. Flat front panel blank.

The front side is covered with a removable transparent foil

2. Flat front panel anodized. Front anodized, rear conductive.

3. Flat front panel RFI

Front anodized, rear conductive. With slits in the side edges for insertion of RFI springs.

4. Extruded front panel RFI

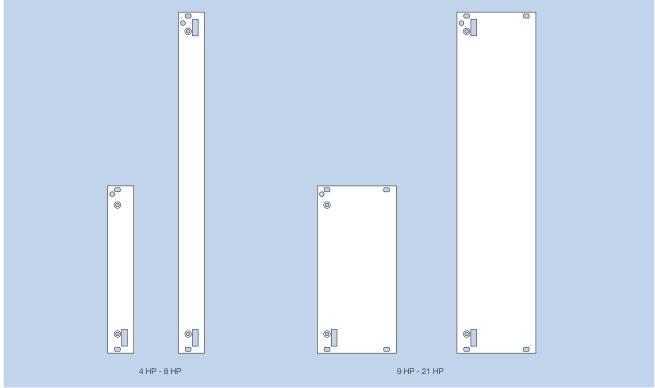
Made of extruded aluminum alloy, with slits in the side edges for insertion of RFI springs for contact. Surface finish is passivated.

#### Material

Flat front panel: aluminum 2.5 mm thick Extruded front panel: aluminum

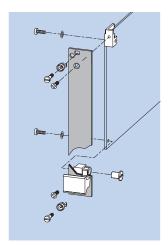
#### Delivery

Front panels are delivered unassembled as single parts or as a kit.



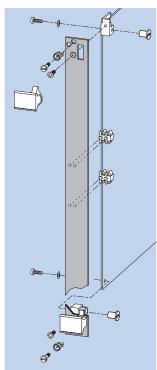
Hole pattern of the front panels

# Front Panels with Ejector Handle



# Ordering details kit - front panel with ejector handle

(flat front pan	els)			
	3 U	3 U	6 U	6 U
		anodized/		anodized/
	blank	conductive	blank	conductive
nom. width	order no.	order no.	order no.	order no.
[HP]	409.	409.	409.	409.
4	168 913	168 919	122 639	122 645
5	168 914	-	122 640	-
6	168 915	-	122 641	-
8	168 916	168 920	122 642	122 646
10	168 917	-	122 643	-
12	168 918	168 921	122 644	122 647



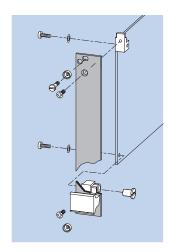
#### Delivery kit - front panel with ejector handle

	3 U pieces for 4-8 HP	3 U pieces for 9-12 HP	6 U pieces for 4-8 HP	6 U pieces for 9-12 HP
Front panel	1	1	1	1
Ejector handle top, gray	-	-	1	1
Ejector handle bottom, gray	1	1	1	1
Bearing bushing	1	1	2	2
Front connector metal	2	2	2	2
Front panel support plug-in	-	-	2	2
Screw retainer M 2.5	2	4	2	4
Mounting parts	1	1	1	1

#### Ordering details single part front panel for ejector handle (flat front panels)

	3 U	3 U	6 U	6 U	6 U	6 U
	blank	anodized/	for support	for support	for support	for support
		conductive	pluged-in	pluged-in	screwed	screwed
			blank	anodized/	blank	anodized/
				conductive		conductive
nom. width	order no.	order no.	order no.	order no.	order no.	order no.
[HP]	409.	409.	409.	409.	409.	409.
4	168 900	168 908	102 404	102 344	102 454	102 384
5	168 901	-	102 405	-	-	-
6	168 902	-	102 406	-	-	-
8	168 903	168 909	102 408	102 348	102 458	102 388
10	168 904	-	102 410	-	-	-
12	168 905	168 910	102 412	102 352	102 462	102 392
16	168 906	168 911	102 416	102 356	-	-
21	168 907	168 912	102 421	102 361	-	-

# Front Panels RFI with Ejector Handle



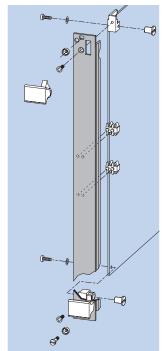
#### Ordering details - kit front panel RFI with ejector handle

	3 U extruded	3 U	6 U extruded	6 U
nom. width	order no.	order no. <b>409.</b>	order no.	order no. <b>409.</b>
4	113 655	113 620	113 662	-
5	113 656	-	113 663	-
6	113 657	113 622	113 665	-
7	113 658	-	113 667	-
8	113 659	-	113 668	-
9	113 660	-	113 669	-
10	113 661	-	113 670	-
12	-	113 626	-	113 640

#### Finish:

Flat front panel: front side anodized, rear side conductive

Extruded front panel: passivated



#### Delivery kit - front panel RFI with ejector handle

	3 U pieces for 4-8 HP	3 U pieces for 9-12 HP	6 U pieces for 4-8 HP	6 U pieces for 9-12 HP
Front panel	1	1	1	1
ejector handle top, gray	-	-	1	1
ejector handle bottom, gray	1	1	1	1
Bearing bushing	1	1	2	2
Front connector metal	2	2	2	2
Front panel support plug-in	-	-	2	2
Grounding bushing M 2.5	2	4	2	4
Mounting parts	1	1	1	1

#### Accessories

	409.
For one flat front panel 2 RFI-springs are no	eeded.
RFI spring F3 - 3U	111 112
RFI spring F3 - 6U	111 116
For assemble the RFI spring F3	
Roller cutter	118 433

#### Ordering details single part front panel RFI for ejector handle

	3 U	3 U	6 U	6 U
	extruded		extruded	
nom. width	order no.	order no.	order no.	order no.
[HP]	409.	409.	409.	409.
4	111 847	112 644	111 613	-
5	113 170	-	113 147	-
6	111 604	112 650	111 614	-
7	111 605	-	111 615	-
8	111 606	-	111 616	-
9	113 171	-	113 148	-
10	113 172	-	113 149	-
12	_	112 668	_	112 725

# **Ejector Handle 4 HP**



#### **Ejector Handle**

The ejector handle extends through the front panel and is screwed together with the bearing bushing at the front connector.

#### Technical data

Material Polycarbonate, 10% fiber-glass reinforced

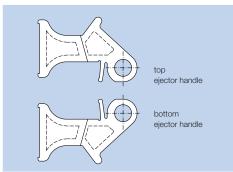
gray, black

Continous temperature

Fire protection class

- 40 °C to + 100 °C

UL 94 V-0

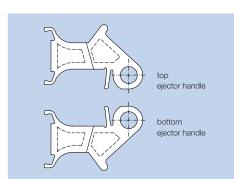


#### Ordering details ejector handle 4 HP

Color

	gray	black
	order no.	order no.
version	409.	409.
top	101 923	094 458
hottom	101 024	004 450

Mounting parts see front connectors



#### Ejector handle 4 HP

Front side open, for assembly with an ident-plate.

#### Ordering details ejector handle 4 HP

Grading adiano ojodioi manaro i in					
	gray	black			
	order no.	order no.			
version	409.	409.			
top	102 117	101 843			
bottom	102 118	101 844			

Mounting parts see front connectors



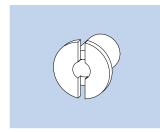
#### Ident-plate 4 HP

The ident-plate is markable and printable. Snapped in after mounting the handle at the front panel.

Material: aluminum

Finish: silver silk-matt anodized

order no.: 409. 017 956



#### Bearing Bushing 4

for handle 4 HP

**Material:** steel, galvanized passivated

order no.: 409. 065 888

#### Front Panels RFI with IEEE Handle



#### Technical data

reciffical data	
Material	Front panel: aluminum Handle: Polycarbonate
Finish	Front panel:  flat: front side anodized, rear side conductive extruded: passivated
Color	handle: RAL 7035 or black
Continous temperature	- 40 °C to + 100 °C
Fire protection class	UL 94 V-0

#### Front Panels with IEEE Handle

For easy pull of PCB's with high density connectors in accorordance to specification IEEE 1101.10. The assembled handle kit is stuck in the milled space of the front panel and is secured with a clamped spring. Afterwards the PCB are screwed on the intergrated front connector.

Two versions with IEEE handle are available:

#### 1. Flat front panel RFI

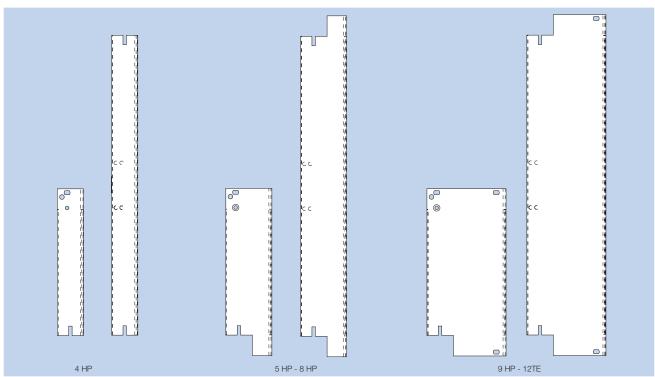
Front anodized, rear conductive. With slits in the side edges for insertion of RFI springs.

#### 2. Extruded front panel RFI

Made of extruded aluminum alloy, with slits in the side edges for insertion of RFI springs or for contacting. Surface finish is passivated.

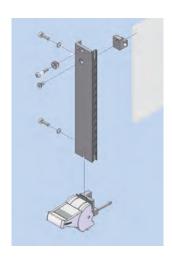
#### Delivery

Front panels are delivered with the assambled IEEE handle as single parts or as a kit.



Hole pattern of the front panels

# Front Panels RFI with IEEE Handle gray without hot-swap

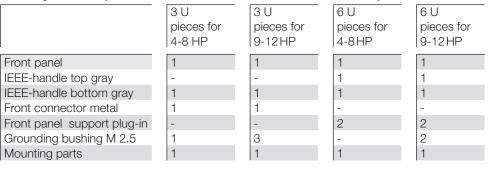


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# Ordering details kit - front panel RFI with IEEE-handle, gray, without hot-swap

without not-swap					
	3 U	3 U	6 U	6 U	
	extruded		extruded		
nom. width	order no.	order no.	order no.	order no.	
[HP]	409.	409.	409.	409.	
4	113 671	113 641	113 674	-	
6	113 672	-	113 675	-	
8	113 673	-	113 676	-	
10	114 463	-	114 475	-	
12	-	113 647	-	113 654	

#### Delivery kit front panel RFI with IEEE-Handle without hot-swap



#### Accessories

710000001100	
	order no.
	409.
For one flat front panel 2 RFI-springs are	e needed.
RFI spring F3 - 3U	111 112
RFI spring F3 - 6U	111 116
For assemble the RFI spring F3	
Roller cutter	118 433

#### Ordering details single part front panel RFI for IEEE handle

ordering details single part from parter in 1101 izzz handle					
	3 U	3 U	6 U	6 U	
	extruded		extruded		
nom. width	order no.	order no.	order no.	order no.	
[HP]	409.	409.	409.	409.	
4	112 152	113 079	112 154	-	
5	112 408	-	112 400	-	
6	112 409	112 778	112 401	-	
7	112 410	-	112 402	-	
8	112 411	-	112 403	-	
9	112 412	-	112 404	-	
10	112 413	-	112 405	-	
12	_	112 790	-	112 773	



# IEEE Handle 4 HP without hot-swap

Color: gray, RAL 7035

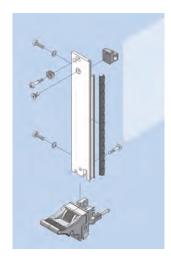
#### Delivery:

Assembled handle with mounting parts.

#### Ordering details

	order no. <b>409.</b>
IEEE handle 4HP bottom	114 413
IEEE handle 4HP top	114 415

# Front Panels RFI with IEEE Handle black with hot-swap



Ordering details kit extruded front panel RFI with IEEE handle, black, hot-swap in the bottom handle

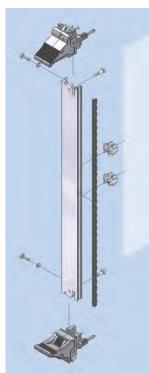
nom. width	3 U order no. <b>409.</b>	6 U order no. <b>409.</b>
4	122 607	122 610
6	122 608	122 611
8	122 609	122 612

#### Delivery kit

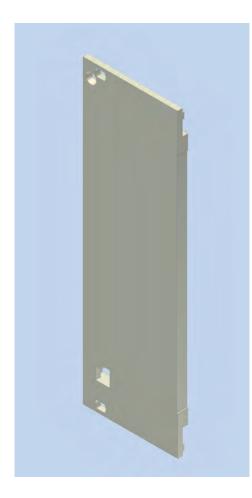
pieces for 4-8HP
1
1
1
1
-
2
-
1

#### Accessories

	order no. <b>409.</b>	
For one flat front panel 2 RFI-springs are need	eded.	
RFI spring F3 - 3U	111 112	
RFI spring F3 - 6U	111 116	
For assemble the RFI spring F3		
Roller cutter	118 433	



# Plastic Front Panel, Snap-in Handle



#### **Plastic Front Panels**

On the rear side of the 2 mm thick front panel is an integrated front connector for attaching 1.6 mm thickness 3 U PCBs.

The handle snappes in into the front panel, therefore the front panel can be modified easily.

#### Delivery

As single part

#### Technical data

Material	Polycarbonate, 10% fiber-glass reinforced	
Color	RAL 7032, pearl gray or black	
Continous temperature	- 40 °C to + 115 °C	
Fire protection class	UL 94 V-0	

#### Ordering details plastic front panel

nom. width	3 U pearl gray order no. 409.	3 U black order no. 409.
3	035 004	-
4	-	-
8	035 665	040 387

#### Accessories

Screw retainer 2 - M 2.5, gray
Cross-head screw M 2.5 x 10.



#### Snap-in Handle

For use with 2 mm thick front panels of plastic. The handle snappes in into the front panel.

Front panels aluminum on request

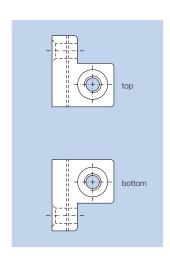
#### Technical data

Material	Polycarbonate, 10% fiber-glass reinforced
Color	RAL 7032, pearl gray or black
Continous temperature	- 40 °C to + 105 °C
Fire protection class	UL 94 V-0

#### Ordering details snap-in handle

nom. width	RAL 7032 order no. <b>409.</b>	pearl gray order no. 409.	black order no. 409.
3	043 035	035 528	040 385
4	043 036	035 529	040 386

#### Front Connector



#### **Front Connector**

Material: zinc die-cast Finish: untreated

Front connector bottom

#### Ordering details

order no. 409. 099 731 Front connector top

099 730

107 727

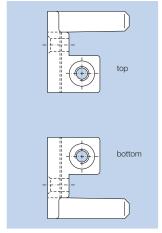
#### Accessories

Counter sunk screw M 2.5 x 6

self tapping

Minimum order quantity 100 pieces

order no.: 409. 067 624



#### Front Connector with Male Contact

For premating front panel grounding.

Material: zinc die-cast Finish: tin-plated

#### Ordering details

order no. 409. 107 728 Front connector top

#### Accessories

Front panel grounding contact

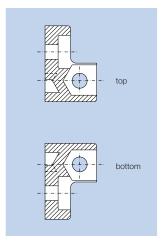
Minimum order quantity 100 pieces Self tapping counter sunk screw M 2.5 x 6

058 102

order no.

409.

067 624



#### **Plastic Front Connector**

Front connector bottom

#### Technical data

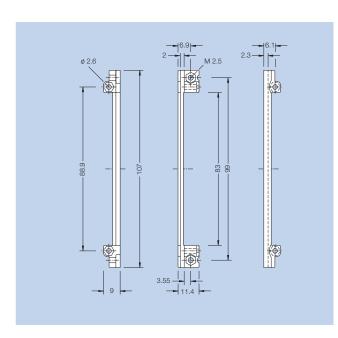
Polycarbonate, Material 10% fiber-glass reinforced Color Continous temperature -40 °C to + 100 °C Fire protection class UL 94 V-0

#### Ordering details

order no. 409. 065 883 Front connector top Front connector bottom 065 882

Accessories Minimum order quantity 100 pieces order no. 409. Hexagonal nut M 2.5 013 938 Counter sunk screw M 2.5 x 6 067 624

# Front Connector FEE, Front Panel Support



#### Front Connector FEE

With inserted nut M 2.5 for fastening to the front panel. Also for use with front mounted Elements (FEE).

#### Technical data

Material

Polycarbonate, 10% fiber-glass reinforced nut: steel, galvanized and chromated

Color

Continous temperature

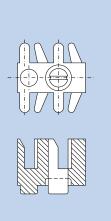
Fire protection class

gray

- 40 °C to + 115 °C

UL 94 V-0

order no.: 409. 024 830



#### Front Panel Support

For PCB's with a height over 3 U used with two-piece front connector. Prevents deflection of the front panel when inserting the PCB.

#### Technical data

Material

Polycarbonate,

10% fiber-glass reinforced

Colo

gray

Continous temperature

- 40 °C to + 100 °C

Fire protection class

UL 94 V-0

order no.: 409. 092 786

# Screw Retainer, Grounding Bushing, Quick Lock E



#### Screw retainer, Grounding bushing and Screw

#### Screw Retainer 2.5 - M2.5

For 2.5 mm thick front panels, for pluging in the screw

#### Technical data

Material POM Color gray or black - 40 °C to + 100 °C Continous temperature

#### Ordering details

Minimum order quantity 100 pieces

order no. Color 409. 100 539 Screw retainer 2.5 - M 2.5 gray Screw retainer 2.5 - M 2.5 100 538 black

#### Grounding Bushing M 2.5

Pressed into the front panel. Secures the screw M 2.5 and provides electrical bounding between the screw and front panel and subrack; even when the front panel is anodized.

Material: brass, nickel plated

Minimum order quantity 10 pieces

order no.: 409. 082 594

#### Screw M 2.5 x 11.3

for 2.5 mm thick front panels

Material: knurled head screw: steel, nickel plated

others: stainless steel

#### Ordering details

Minimum order quantity 100 pieces

order no. head form 409. Pan head screw sloted 100 540 Oval head screw 101 917 cross slot Knurled head screw 101 918 knurled



#### Quick Lock E for 2.5 mm thick front panels. Slot head.

Minimum order quantity 10 pieces

order no.: 409. 097 957

#### Technical data

sleeve: POM Material bolt: steel, galvanized Color gray - 40 °C to + 100 °C Continous temperature