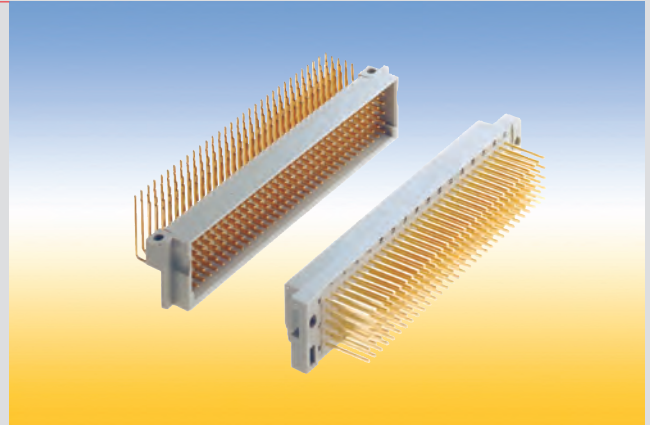


# Wiring and Accessories

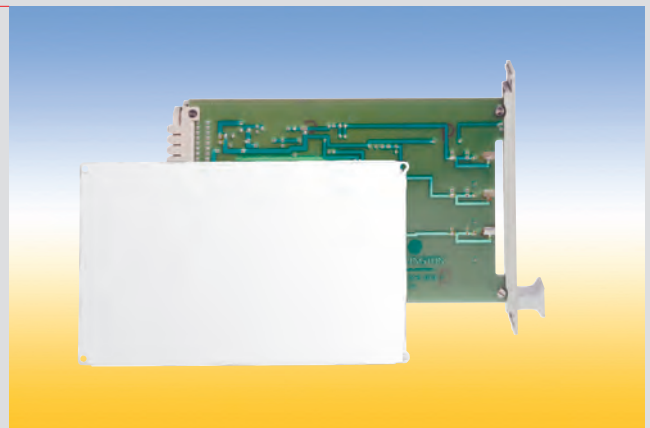
## Connectors and Accessories

- ✓ In accordance with IEC 60 603-2 / DIN 41 612
- ✓ Designs supplementing the standards



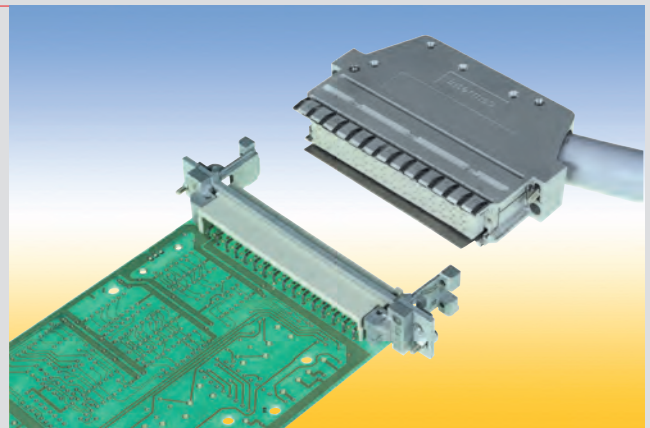
## Cover for Euroboards

- ✓ Self-extinguishing in accordance with UL 94-V0
- ✓ For use with or without a coding strip



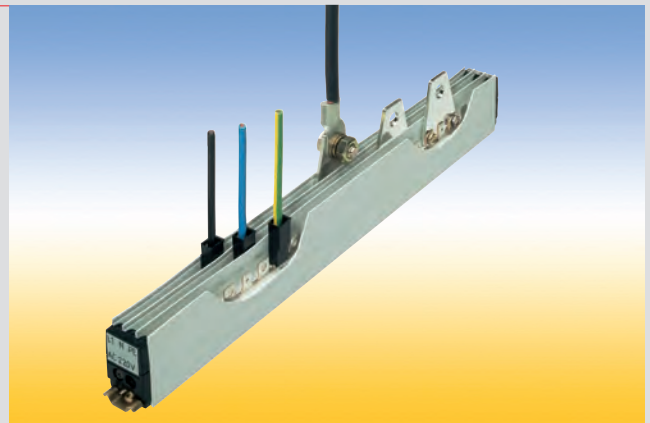
## Interface Housings for IEC 60 603-2 / DIN 41 612 Connectors

- ✓ Plastic version
- ✓ Metal version
- ✓ Shielding concept
- ✓ Also for railway applications in accordance with BN 74 016



## SE Bus Bars

- ✓ High current capacity up to 120 A
- ✓ Two connection types
- ✓ 2 or 3-pole



# Connectors

## Coding key for IEC 60 603-2 / DIN 41 612 connectors

Since this catalog not only contains DIN 41612 connectors but also connectors which supplement the standard, the coding key has been extended accordingly.

### Ordering example

Female connector C 0 6 4 M S - C 1 A - 1 A U - A 0 1



Connector  
Male connector  
Female connector

Position of the premating contact

style

Termination pin's surface

AU Gold  
AG Silver  
NI Nickel  
SN Tin

Performance level

1 500 contact durability  
2 400 contact durability  
3 50 contact durability

Type of termination

A For soldering into PCB's up to 1.6 mm thick  
D For soldering into PCB's up to 1.6 mm thick  
E For soldering into PCB's up to 2.4 mm thick  
F For soldering into PCB's up to 2.4 mm thick  
H For wire wrap technique to DIN 41611, part 2  
L For SMD-technique  
M For termi-point connection to DIN 41611  
Q For crimp-connection to DIN 41611, part 3  
S For fast-on technique to DIN 46244  
T By screw connection  
U For interfacing  
V For metal plate  
W For soldering wires crimp  
X For ribbon cable connection to DIN 41611  
Y For solid pr  
Z For compliant pr

Contact surface

1 Gold or gold alloy  
2 Silver or silver alloy  
3 Tin or tin alloy

Loading and contacts

B connector housing, unloaded  
C connector housing, loaded  
S single contact

B  
C  
D  
E  
F  
F/H  
G  
H  
M  
P  
Q  
R  
S  
U  
V  
Z,C

Number of poles

Number of contacts

Type of contact

Female  
Male

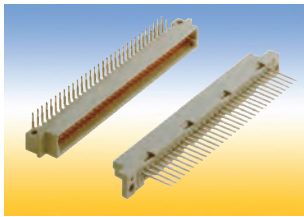
F  
M

Termination technique

Crimp  
Termi-Point  
Pr  
Solder  
Fast-on  
Wire wrap  
without

C  
K  
P  
S  
T  
W  
O

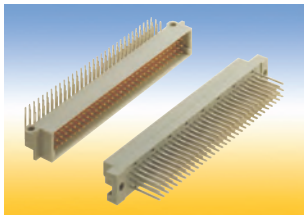
# Connectors Styles B, C, D and E



## Connectors style B

### Ordering details

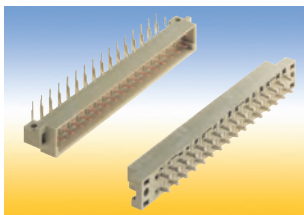
	no.poles: assignment:	064 ab 1...32
	terminations [mm]	order no. <b>409</b>
Male connector B MS - C1A - 2 SN	0.6 x 0.6 x 2.9	<b>043586</b>
Female connector B FS - C1D - 2 SN	0.25 x 0.7 x 2.5	<b>105380</b>



## Connectors style C

### Ordering details

	no.poles: assignment:	032 ac 2...32	064 ac 1...32	096 abc 1...32
	terminations [mm]	order no. <b>409</b>	order no. <b>409</b>	order no. <b>409</b>
Male connector C MS - C1A - 2 SN	0.6 x 0.6 x 2.9	<b>043598</b>	<b>043606</b>	<b>043610</b>
Female connector C FS - C1E - 2 SN	0.25 x 0.7 x 4	-	<b>068108</b>	<b>068089</b>
FW - C1H - 2 SN	0.6 x 0.6 x 13	<b>045891</b>	<b>045894</b>	<b>045897</b>



## Connectors style D

### Ordering details

	no.poles: assignment:	032 ac 2...32
	terminations [mm]	order no. <b>409</b>
Male connector D MS - C1A - 2 SN	0.6 x 0.6 x 2.9	<b>043622</b>
Female connector D FW - C1H - 2 SN	1 x 1 x 20	<b>070323</b>
FC - B	f. male 0.6 x 0.6	<b>031022</b>
FC - B	f. male 0.6 x 1/1.5	<b>031031</b>

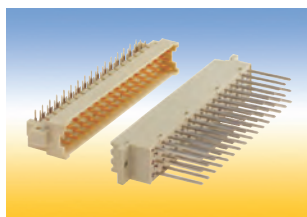


## Connectors style E

### Ordering details

	no.poles: assignment:	048 row separation 5,08 ace 2...32	048 row separation 2.54 ace 2...32
	terminations [mm]	order no. <b>409</b>	order no. <b>409</b>
Male connector E MS - C1A - 2 SN	0.6 x 0.6 x 2.9	<b>045210</b>	<b>045235</b>
Female connector E FW - C1H - 1 SN	1 x 1 x 20	<b>025919</b>	-
FW - C1H - 2 SN	0.6 x 0.6 x 13	-	-
FC - B	f. male 1 x 1	<b>031030</b>	-
FC - B	f. male 0.6x1/1.5	<b>031021</b>	-

# Connectors Styles F, H and R



## Connectors style F

### Ordering details

	terminations [mm]	no.poles: assignment:	032 zb 2...32	048 zbd 2...32
			order no. <b>409</b>	order no. <b>409</b>
Male connector F				
MS - C1A - 2 SN	0.6 x 0.6 x 2.9		<b>022622</b>	<b>041660</b>
Female connector F				
FW - C1E - 2 SN	1 x 1 x 4.5		<b>070969</b>	<b>024567</b>
FW - C1H - 2 SN	1 x 1 x 22		<b>042219</b>	<b>042218</b>
FC - B	f. male 0.6x1/1.5		-	<b>031015</b>



## Connectors style H

### Ordering details

	terminations [mm]	no.poles: assignment:	011 b 2.5,8...32	015 dz 4...32
			order no. <b>409</b>	order no. <b>409</b>
Male connector H				
MS -C2A - 1 AG z32 at 3.5 mm premating	1.2 x 0.8 x 3.5		<b>098989</b>	-
MS - C2A - 1 SN z32 at 1.5 mm premating	1.2 x 0.8 x 2.9		-	<b>101385</b>
MT - C2S - 1 AG b32 at 3.5 mm premating	6.3 x 0.8 x 8		<b>098986</b>	-
MT - C2S - 1 AG z32 at 1.5 mm premating	6.3 x 0.8 x 8		-	<b>094628</b>
Female connector H				
FT - C2S - 1 AG	6.3 x 0.8 x 8		<b>098991</b>	-
FT - C2S - 2 AG	6.3 x 0.8 x 8		-	<b>071015</b>

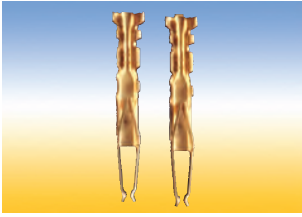


## Connectors style R

### Ordering details

	terminations [mm]	no.poles: assignment:	032 ac 2...32	064 ac 1...32	096 abc 1...32
			order no. <b>409</b>	order no. <b>409</b>	order no. <b>409</b>
Male connector R					
C1E - 2 SN	0.6 x 0.6 x 4		<b>077051</b>	<b>077055</b>	<b>077058</b>
C1H - 2 SN	0.6 x 0.6 x 13		<b>077045</b>	<b>074202</b>	<b>077048</b>
Female connector R					
C1A - 2 SN	0.6 x 0.6 x 6		<b>077038</b>	<b>074203</b>	<b>077042</b>

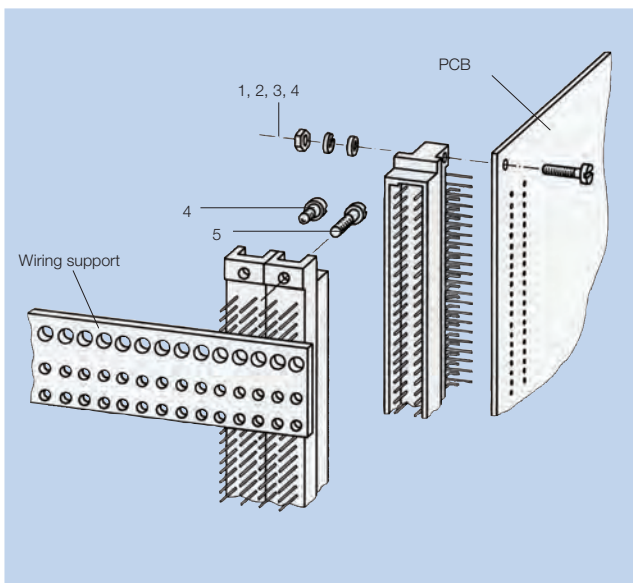
# Crimp-Snap-In-Contacts, Crimp-Pliers Accessories for Connectors



## Crimp-Snap-In-Contacts for Connectors style C, D, E, and F, Pliers and Unlocking Tool

### Ordering details

	for connector style	conductor cross sec- tion [AWG]	order no. 409	Pliers order no. 409
Crimp-snap-in-male MC - S1Q - 2 NI	F	16 - 18	077112	035630
MC - S1Q - 2 NI	F	20 - 24	077111	035630
Crimp-snap-in-female for male contact 0.6x1/0.6x1.5				
FC - S1Q - 1 SN	D, E, F	16 - 18	031019	035630
FC - S1Q - 1 SN	D, E, F	20 - 26	031018	035630
FC - S1Q - 1 SN	D, E, F	26 - 28	031020	031120
Crimp-snap-in-female for male contact 1 x 1				
MC - S3Q - 3 SN	D, E, F	16 - 18	031024	035630
MC - S3Q - 3 SN	D, E, F	20 - 26	031023	035630
unlocking tool			031123	-



### Mounting of Connectors

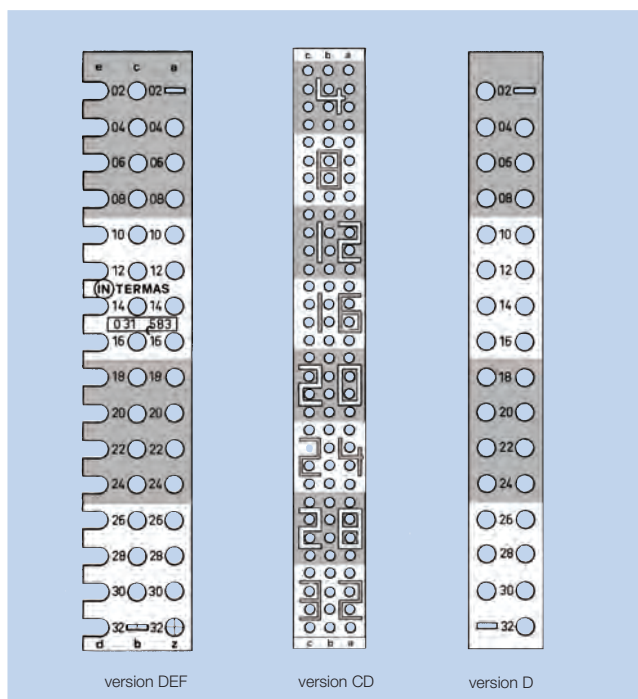
Connectors in accordance to DIN 41612 can be mounted with commercial DIN screws. Using tapered screw, the connectors can be mounted in correct position without any adjustment or alignment.

### Ordering details

Minimum order quantity each 100 pieces

	position	order no. 409
Hexagonal nut M 2.5 DIN439	1	013938
Spring washer 2.5 DIN 127	2	118506
Washer 2.7 DIN 433	3	111089
Pan head screw M 2.5x12 DIN 84	4	013904
Tapered screw M 2.5 x 6.5	5	032708
Tapered screw M 2.5 x 9	5	070476

# Accessories for Connectors



## Marking Strips

IEC 60603-2 / DIN 41612 provides labeling for connectors on their wiring side. Marking strips, made of thin plastic foil (Astralon), ensure the perfect designation of pin positions.

### 1. Type DEF

for connectors styles D, E and F with pin cross section 1,0 x 1,0 and 0,8 x 1,6 and 0,8 x 2,4 mm and for connectors with the type of termination V.

order no.: **409031583**

### 2. Type CD

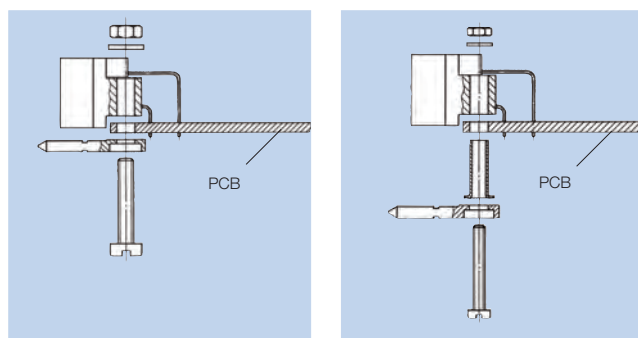
for connectors styles C and D with pin cross section 0,6 x 0,6 u. 1,0 x 1,0 mm and for connectors with the type of termination V.

order no.: **409022714**

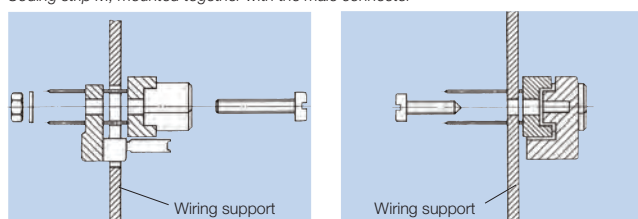
### 3. Typ D

for connectors style D

order no.: **409044214**



Coding strip M, mounted together with the male connector



Coding strip F, mounted together with the female connector

## Coding Strips

The coding strip is designed for attachment to connectors in accordance with IEC 60603-2 / DIN 41612 and is to be mounted together with the connector to the PCB. Also the mating coding part is mounted together with the connector to the wiring support. Each coding strip has 16 coding teeth, that can be broken off as necessary

## Ordering details

	order no. 409
Coding strip M <sup>1)</sup>	<b>033188</b>
Coding strip F <sup>1)</sup>	<b>033189</b>
Coding strip F-plate <sup>1) 2)</sup>	<b>070617</b>
Coding strip F-plate 2 <sup>1) 3)</sup>	<b>064740</b>

<sup>1)</sup> one functional unit comprises 1 coding strip M and one coding strip F

<sup>2)</sup> for attaching with self tapping screws

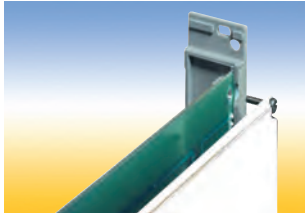
<sup>3)</sup> attaching at through hole



# Cover for Euroboards

## Description

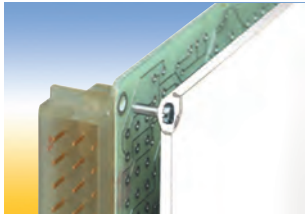
This PCB cover protect the soldered side against dirt and contact. Two versions are available:  
A standard PCB cover and a PCB cover for use with a coding strip.  
The coding strip PCB cover can be used in connection with a coding strip on the connector.



Mounting of PCB cover standard at the front panel

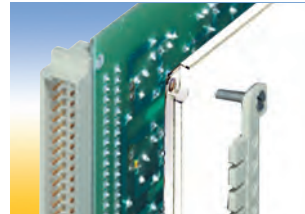


Mounting of PCB cover standard at side of the connector

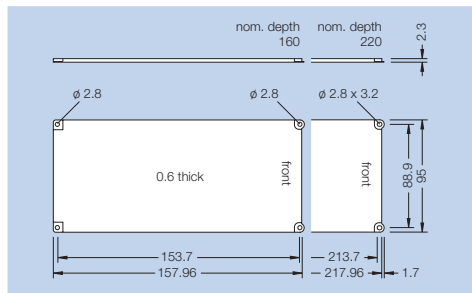


## Technical data

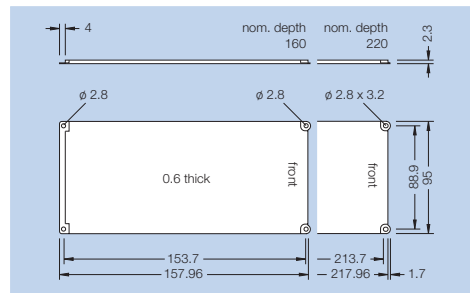
Material	PBT (Polyester)
Continuous temperature	-40 °C to <+60 °C
Fire protection class	UL 94 V-0 at 0.8 mm
Color	white



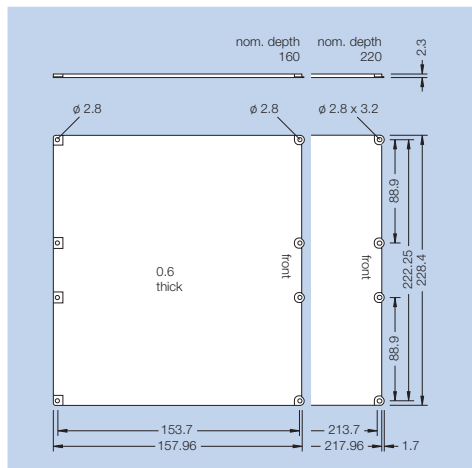
Mounting of PCB cover for coding strip jammed under the recess of the coding strip



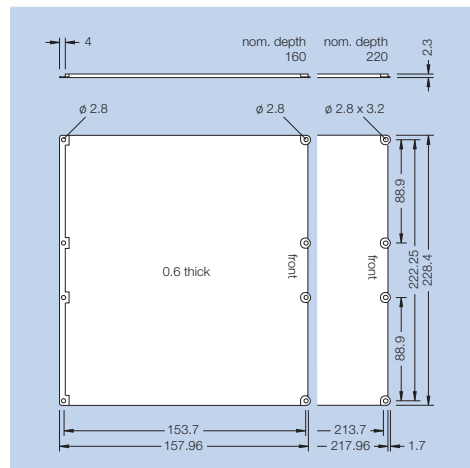
PCB cover standard 3U



PCB cover for coding strip 3U



PCB cover standard 6U



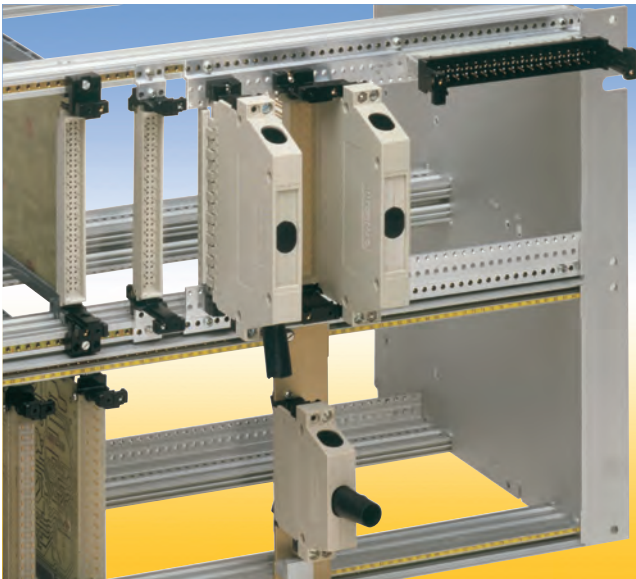
PCB cover for coding strip 6U

## Ordering details

	PCB height [mm]	standard order no.	coding strip order no.
Cover for Euroboards		409	409
3-160	100	100652	100650
3-220	100	100662	100660
6-160	233.35	102110	102109
6-220	233.35	102113	102112

**Metallized PCB cover on request.**

# Plastic Interface Housings



## Description

This compact and insulating interface housing is designed to accommodate DIN 41 612 / IEC 60 603-2 connectors. It is physically clamped into position between guide elements. The interface housings have the following advantages:

- ✓ Accommodation of either female or male connectors of any type of connection technology.
- ✓ Protects the connector during insertion and operation.
- ✓ Lifting screws ease insertion and removal.
- ✓ Three cable feed apertures.
- ✓ Strain relief.
- ✓ Allows installation of display and operating elements.
- ✓ Codable.

Metallized plastic interface housing for RFI-shielding available.

## Technical data

Dimensions	IEC 60 297 / DIN 41 494
Material	interface housing: PC, pebble gray guide components: PC, black
Fire characteristics:	UL 94 V-1
Utilization category:	-25 °C, 100 °C, 90% relative humidity

## Delivery kit interface housing

	pieces per kit style B	pieces per kit style C, E, F1, F	pieces per kit style C1, F2
Interface housing shells	2	2	2
Cover strip	1	-	-
Cable clamp	2	2	-
Blind plug	2	2	-
Strain relief kit	1	1	-
Mounting parts	1	1	1

## Delivery

Interface housings:  
As a kit of unassembled components, without guide components.

Guide components:  
As an assembled kit.

## Delivery kit guide elements

	pieces per kit
Guide element top	1
Guide element bottom	1
Mounting parts	1

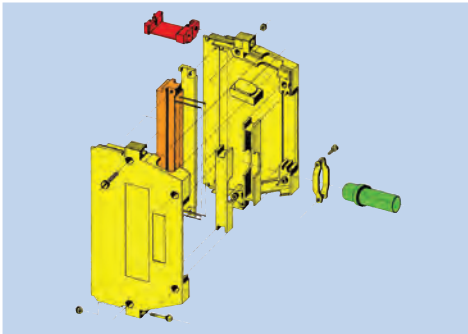
## Color code:

yellow: interface housing  
orange: male connector  
blue: female connector  
red: guide components  
green: accessories



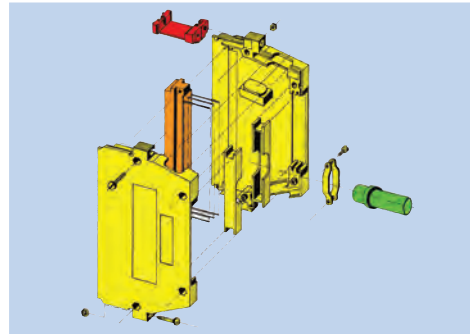
# Plastic Interface Housings

Ordering details for interface housing kits (yellow: interface housing kit)



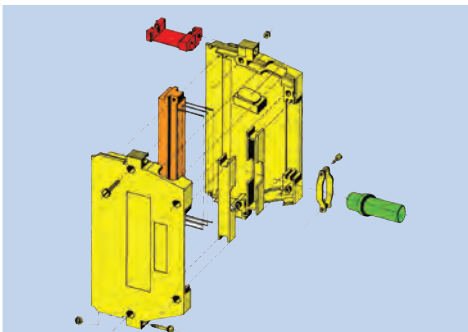
**Interface Housing B**

order no.: 409077516



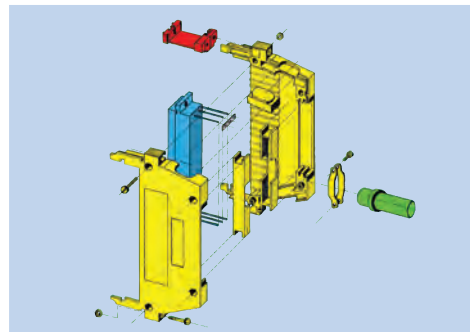
**Interface Housing C**

order no.: 409031124



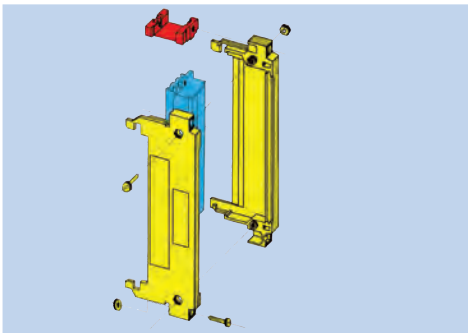
**Interface Housing E**

order no.: 409031125



**Interface Housing F**

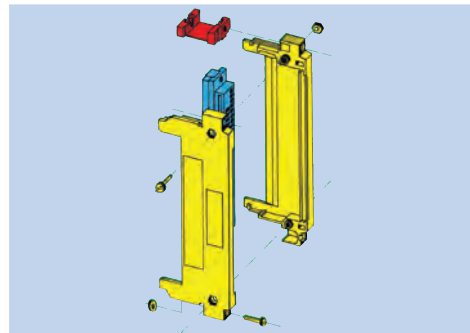
order no.: 409070620



**Interface Housing F2**

for termination technique with ribbon cable

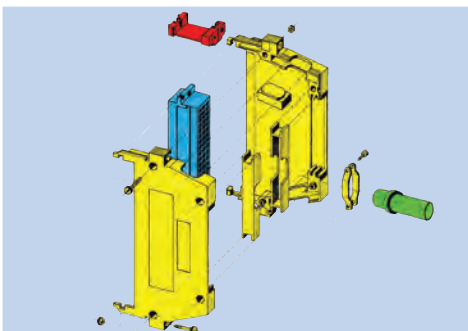
order no.: 409073659



**Interface Housing C1**

for termination technique with ribbon cable

order no.: 409070621

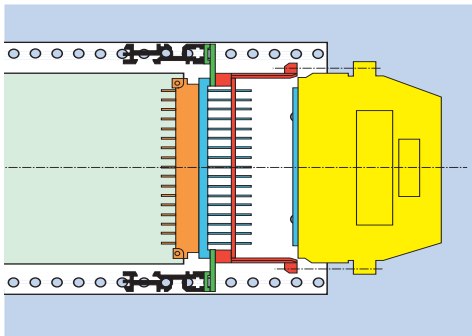


**Interface Housing F1**

for crimp-snap-in termination technique

order no.: 409071876

# Plastic Guide Components

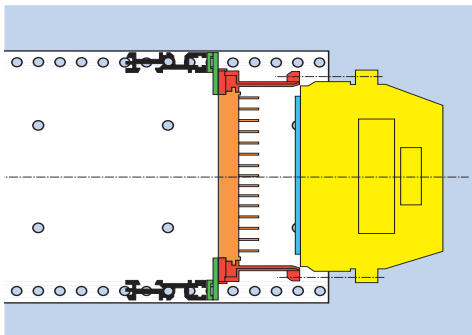


## Application

For interface housings with female connector, to attach on the connecting pins of a female connector subrack.

## Ordering details for kits

	length spacer	for interface housings	order no. <b>409</b>
Guide component C-Huk 13	6	C, C1	<b>032563</b>
Guide component C-Huk 17	9	C, C1	<b>032564</b>
Guide component D-Huk 20	11	D	<b>032565</b>
Guide component D-Huk 26	17.5	D	<b>032566</b>
Guide component E-Huk 20	11	E	<b>032567</b>
Guide component E-Huk 26	17.5	E	<b>032568</b>
Guide component F-Huk 22	22	E	<b>032569</b>

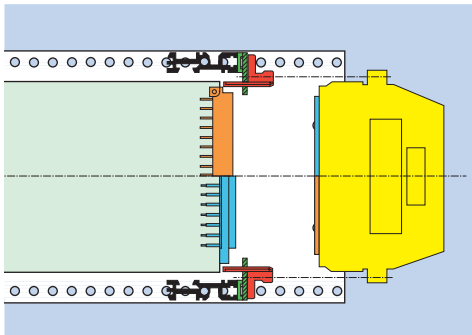


## Application

For interface housings with female connector, to attach on the connecting pins of a *U-element* rack.

## Ordering details for kits

	for interface housings	order no. <b>409</b>
Guide component U-element	F, F1, F2	<b>035207</b>

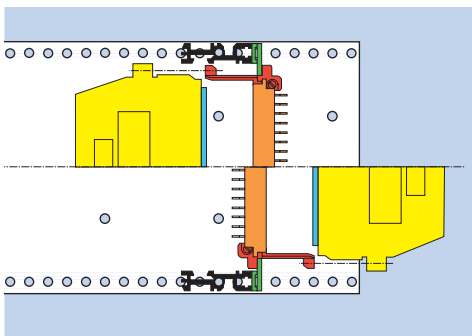


## Application

For interface housings with female or male connector, for mating directly to the PCB (LP) connector subrack.

## Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component CDFHR-LP	C, C1, D, M, F, F1, F2, H, R	<b>032553</b>
Guide component E-LP	E	<b>032554</b>



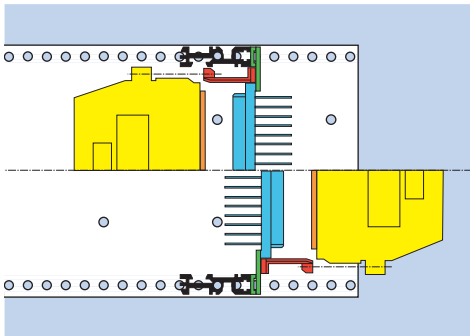
## Application

For interface housings with female connector, for mating with a male connector, who is installed on the *connector attachment* (SB).

## Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component BDR-M-SB/FP	B, Q, C, C1, R, D, M	<b>032520</b>
Guide component E-M-SB/FP	E	<b>032551</b>
Guide component F-M-SB/FP	F, F1, F2, U, H	<b>032575</b>

# Plastic Guide Components

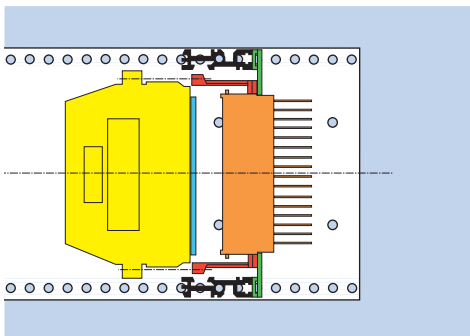


## Application

For interface housings with male connector, for mating with a male connector, that is installed on the *connector attachment* (SB).

## Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component CDHR-F-SB	C, C1, R, D, M, H, B, Q	<b>032555</b>
Guide component E-M-F-SB	M	<b>032556</b>

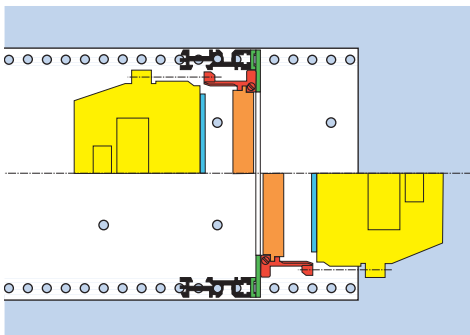


## Application

For interface housings with female connector, for mating with an *I-element*. Installation in the wiring field of the subrack.

## Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component I-unit	F, F1, F2	<b>035206</b>

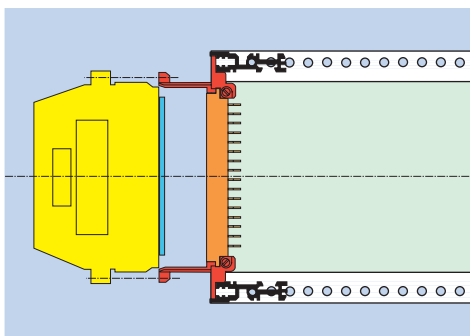


## Application

For interface housings with female connector, for mating with a male connector, on *Backplane* (BP).

## Ordering details for kits

	order no. <b>409</b>
Guide component CDHR-M-BP	<b>072620</b>
Guide component E-M-BP	<b>072619</b>



## Application

For interface housings with female connector, for mating with a male connector, serves as a handle (*GL*), mounted on the service side of the subracks.

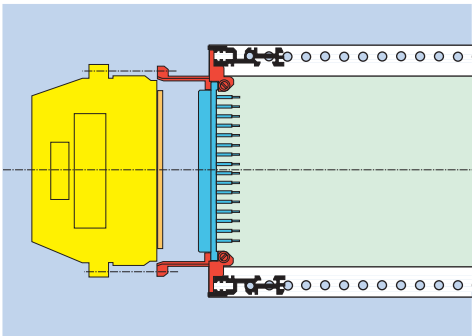
## Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component CDR-M-GL	B, C, C1, R, Q, D, M	<b>032518</b>
Guide component E-M-GL	E	<b>032549</b>
Guide component F-M-GL	F, F1, F2, U, H	<b>032574</b>

## Color code:

yellow:	interface housing
orange:	male connector
blue:	female connector
red:	guide components
green:	accessories

# Plastic Guide Components

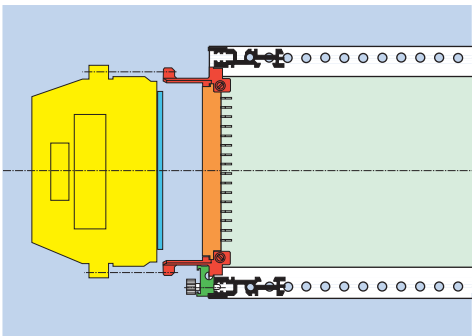


### Application

For interface housings with male connector, for mating with a female connector, serves as a handle (*GL*), mounted on the service side of the subracks.

### Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component CDHR-F-GL	B, Q, C, C1, R, D, M	<b>032519</b>
Guide component E-F-GL	E	<b>032550</b>

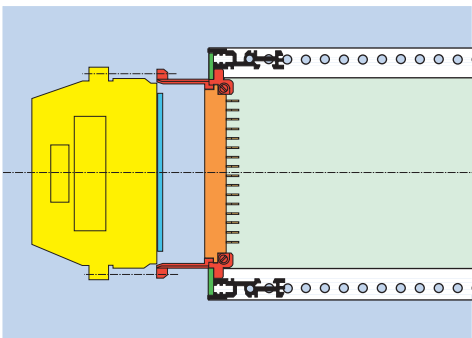


### Application

For interface housings with female connector, for mating with a male connector, serves as a handle (*GL*) the subrack.

### Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component F-M-GL	F, H15, U	<b>035316</b>

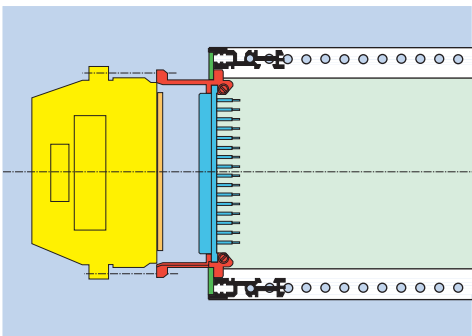


### Application

For interface housings with female connector, for mating with a male connector, that is mounted on a *front panel (FP)*.

### Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component CDR-M-SB/FP	B, Q, C, C1, R, D, M	<b>032520</b>
Guide component E-M-SB/FP	E	<b>032551</b>
Guide component F-M-SB/FP	F, F1, F2, H, U	<b>032575</b>



### Application

For interface housings with male connector, for mating with a female connector, that is mounted on a *front panel (FP)*.

### Ordering details for kits

	for interface housings and connectors	order no. <b>409</b>
Guide component CDFHR-FP	B, C, C1, D, M, H11, Q, R	<b>032523</b>
Guide component E-FP	E	<b>032552</b>

### Color code:

yellow:	interface housing
orange:	male connector
blue:	female connector
red:	guide components
green:	accessories

## Accessories for Plastic Interface Housings



### Cable Sleeve

**Material:** black rubber

**for housing styles C, F, B**

order no.: 409032766

**for housing style E**

order no.: 409032767



### Cable Clamp Kit

consists of:  
2 brackets and mounting parts

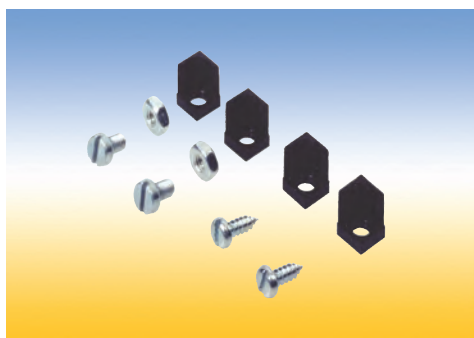
**Material:** metal

**for housing styles C,D, F, H**

order no.: 409034532

**for housing style E**

order no.: 409034533



### Coding Kit

with 16 possibilities  
consists of:  
4 coding elements and mounting parts

**Material:** plastic

order no.: 409069755



### Coding Kit

with 32 possibilities  
consists of:  
4 coding elements and mounting parts

**Material:** metal

order no.: 409034724

# Metal Interface Housings



## Description

The metal interface housing was developed on the basis of the plastic interface housing design as a totally metal housing with metal guide elements for heavy-duty use. It has the following advantages:

- ✓ Suitable for all 19" front panels in accordance with IEC 60 297-3 and IEEE fronts in accordance with P1101.10.
- ✓ For shielding between the interface housing and the front panel, in the E and F1 style RFI shielding panels can be added at the transfer side
- ✓ Coding already integrated or can be added, depending on the style
- ✓ Three cable feed apertures
- ✓ For cable diameters up to 17 mm
- ✓ For heavy-duty applications such as railway engineering, power station engineering etc.

## Technical data

Dimensions	IEC 60 297 / DIN 41 494
Material	housing shells: die-cast zinc guide components: die-cast zinc or metallized plastic other parts: stainless steel, steel, brass
Finish:	housing shells: drum-polished or galvanized and passivated or or nickel plated other parts: galvanized, nickel-plated

## Delivery kit interface housings metal

	pieces per kit standard	pieces per kit shielded
Interface housing shells	2	2
Cable clamps	1	1
Blind plug	2	2
Shielding plate	-	1
RFI-spring	-	1
Mounting parts	1	1

## Delivery kit guide element

	pieces per kit
Guide component top	1
Guide component bottom	1
Mounting parts	1

## Delivery

### Interface housings:

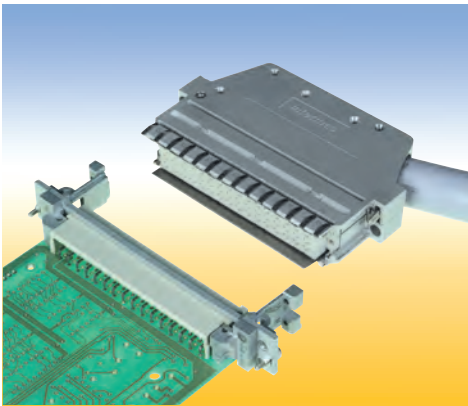
As a kit of unassembled components, without guide components.

### Guide components:

As an assembled kit.



# Metal Interface Housings RFI



Metal interface housings metal RFI

## Metal Interface Housings RFI E

For connectors styles E 48 and E 160.

### Ordering details for kits

	width [HP]	drum- polished order no. <b>409</b>	galvanized+ passivated order no. <b>409</b>
Metal interface housings			
RFI E-standard	4	<b>113860</b>	<b>113824</b>
RFI E-shielded	4	-	<b>113849</b>

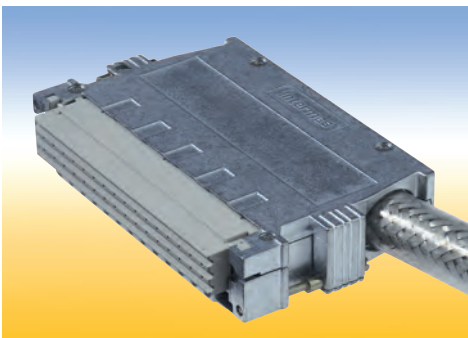
## Metal Interface Housings RFI F1

For connector styles F 48, C96, H11, H15, and F24/H7.

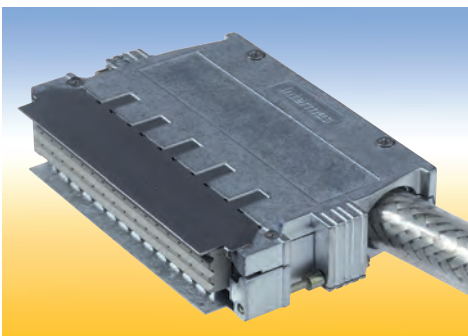
### Ordering details for kits

	width [HP]	drum- polished order no. <b>409</b>	galvanized+ passivated order no. <b>409</b>
Metal interface housings			
RFI F1-standard	3	<b>113838</b>	<b>111775</b>
RFI F1-standard	4	<b>113840</b>	<b>111245</b>
RFI F1-shielded	4	-	<b>113841</b>

Nickel plated metal interface housings RFI F1 on request.



RFI 20 COD-standard,  
codable with marketables coding elements



RFI 20 COD-shielded, codable

## Metal Interface Housings RFI 20 COD

With integrated coding,  
for connector styles F 48, H15 and F24/H7

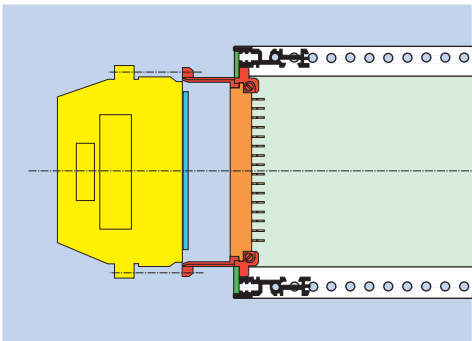
The Metal interface housings RFI 20 - standard are *not* supplied with RFI springs.

### Ordering details for kits

	width [HP]	drum- polished order no. <b>409</b>	galvanized+ passivated order no. <b>409</b>
Metal interface housings			
HF20COD-standard	4	<b>114775</b>	<b>112321</b>
HF20COD-shielded	4	-	<b>114255</b>

Nickel plated metal interface housings RFI 20 COD - standard on request.

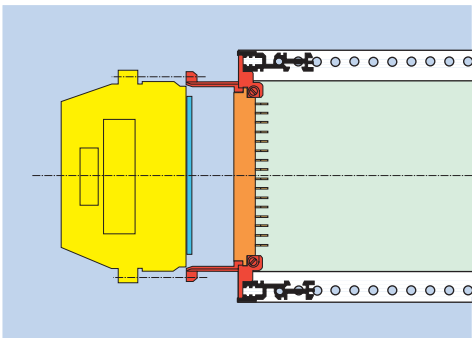
# Metallized Guide Components



**Application**  
**Guide component F** for mounting of a 3 HP metal interface housing in any position of the mounting area.

**Ordering details for kits**

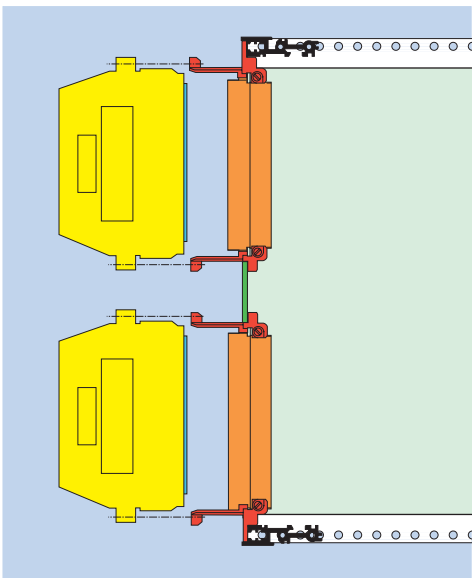
	for metal interface housing RFI	order no. <b>409</b>
Guide component F metal-lized	F1- 3 HP	<b>114122</b>



**Application**  
**Guide component F** with integrated front panel for mounting of a 3 HP metal interface housing RFI in a 3 U subrack..

**Ordering details for kits**

	for metal interface housing RFI	order no. <b>409</b>
Guide component F metal-lized	F1- 3 HP	<b>114121</b>



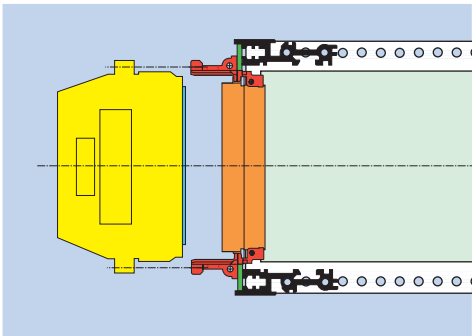
**Application**  
**Guide component F** for mounting of a 3 HP metal interface housing RFI in the upper or lower area of 6 U subracks.gers.

**Ordering details**

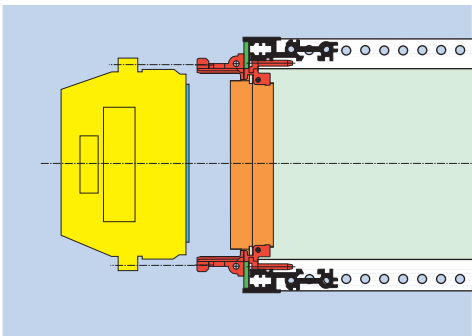
	for metal interface housing RFI	order no. <b>409</b>
Guide component F metal-lized	top - F1- 3 HP	<b>114119</b>
Guide component F metal-lized	bottom - F1- 3 HP	<b>114120</b>

Color code:	
yellow:	interface housing
orange:	male connector
blue:	female connector
red:	guide components
green:	accessories

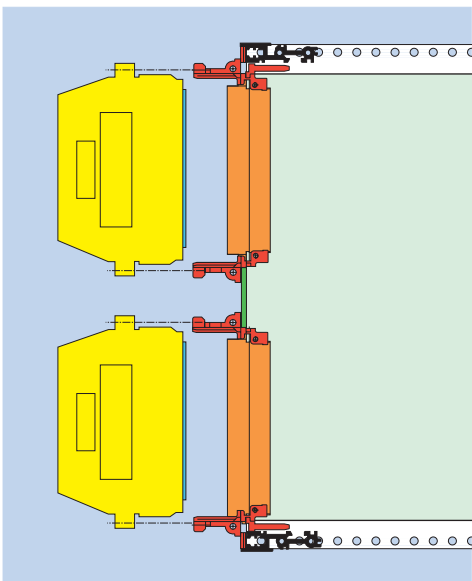
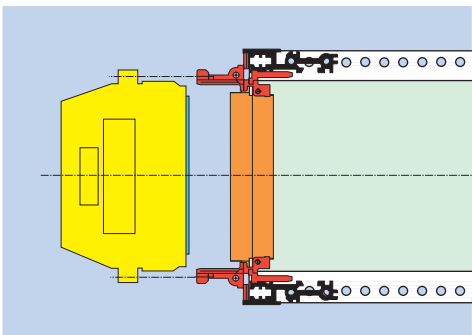
# Metal Guide Components



without coding



with coding



## Application

**Guide component F/E** for mounting of a 4 HP metal interface housing RFI in any position of the mounting area.

## Ordering details for kits

	for metal interface housing RFI	order no. <b>409</b>
Guide component F/E metal	E, F1- 4 HP	<b>114933</b>
Guide component F/E metal with coding	E, F1- 4 HP	<b>114007</b>

## Application

**Guide component F/E** with integrated front panel for mounting of a 4 HP metal interface housing RFI in a 3 U subrack.

## Ordering details for kits

	for metal interface housing RFI	order no. <b>409</b>
Guide component F/E metal	F1- 4 HP	<b>113826</b>

## Application

**Guide component F/E** for mounting of a 4 HP metal interface housing RFI in the upper or lower area of 6 U subracks.

## Ordering details for kits

	for metal interface housing RFI	order no. <b>409</b>
Guide component F/E metal	top - F1- 4 HP	<b>113830</b>
Guide component F/E metal	bottom - F1- 4 HP	<b>113828</b>

## Accessories for Metal Interface Housings RFI E and F



### Cable Clamp Kit

consists of:  
2 brackets and mounting parts

Material: zink die-cast  
Finish : galvanized

#### Ordering details for kits

	order no. <b>409</b>
Cable clamp 3 HP	<b>113788</b>
Cable clamp 4 HP	<b>112279</b>



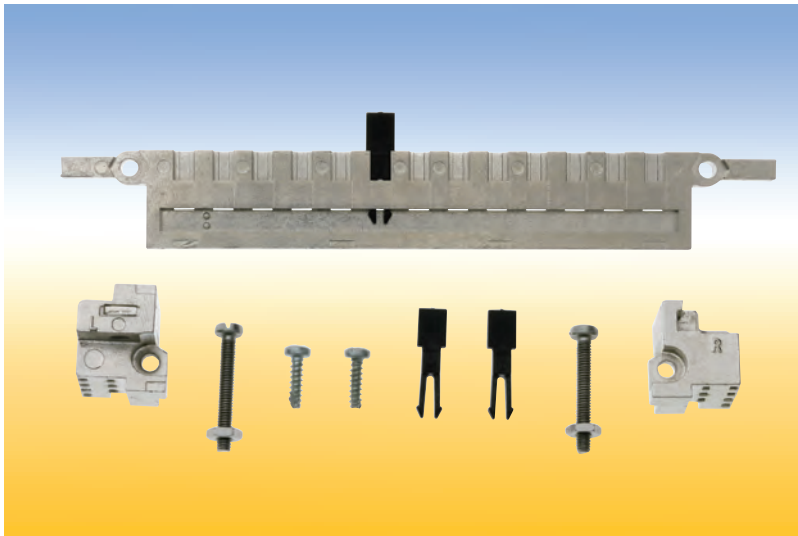
### Coding Kit

with 32 possibilities  
consists of:  
4 coding elements and mounting parts

**Material:** metal

order no.: **409034724**

# Accessories for Metal Interface Housings RFI 20 COD



## Retaining Parts Kit for mounting in subrack

**Material:** plastic  
**Finish:** metallized

order no.: **409114983**

## Coding Strip RFI 20 for the male connector

**Material:** plastic  
**Finish:** metallized

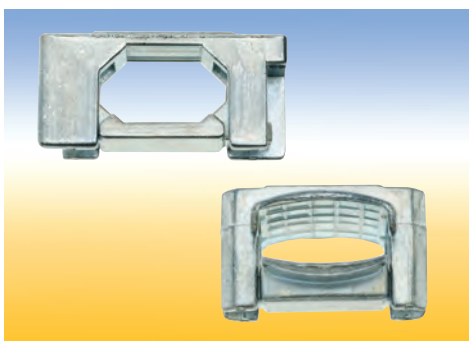
order no.: **409114985**

## Coding Pin RFI 20

**Material:** plastic

Packing unit: 100 pieces

order no.: **409115095**



## Cable Clamp Kit 4 HP - RFI 20

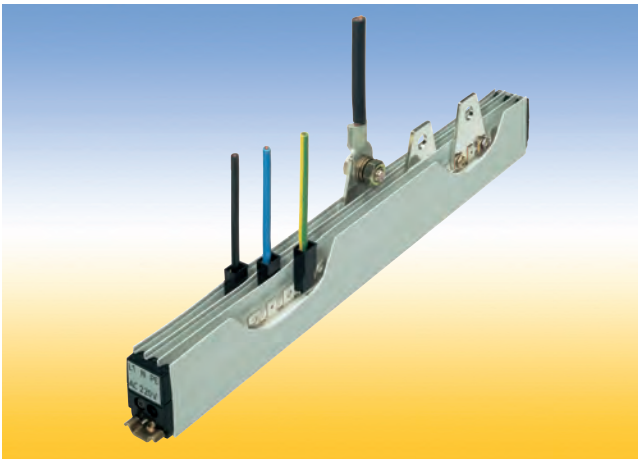
consists of:  
2 brackets and mounting  
parts

**Material:** zinc die-cast  
**Finish:** metallized

### Ordering details for kits

	order no. <b>409</b>
Cable clamp smal	<b>114982</b>
Cable clamp wide	<b>118544</b>

# Insulated Bus Bar



## Description

Insulated bus bar kit for the power supply in housings and cabinets.

The features of the bus bars:

- ✓ High current capacity up to 120 A.
- ✓ Safe against accidental hand contact up to 500 V in accordance with VDE 0106.
- ✓ The protective profile makes the bus bar safe against accidental finger contact up to 220 V in accordance with VDE 0470.
- ✓ Deliverable in any desired length.
- ✓ With a width of 25 mm, 3-pole use is possible.
- ✓ Insulating materials in accordance with the stipulations of VDE 0606.

Two connection versions are available:

### 1. Connection version A:

Alternating terminal lugs for A 6.3 x 0.3 flat push-on connectors and screw attachment.

### 2. Connection version B:

Alternating terminal lugs for A 6.3 x 0.3 flat push-on connectors and double terminal lugs for A 2.8 x 0.8 flat push-on connectors or one A 6.3 x 0.8 flat push-on connector. Intermediate lengths can be produced by simply sawing.

## Technical data

Number of poles	2- or 3-pole
Connection version A	A 6.3 x 0.8 DIN 46244/connection Ø 4.2 mm
Connection version B	A 6.3 x 0.8 / 2 x A 2.8 x 0.8 DIN 46244
Utilization category	-25 °C, +70°C, no condensation
Phase current	120 A at an ambient temperature of 20 °C; 80 A at 55 °C; 70 A at 70 °C
Max. operating voltage	500 V
Insulation class	group C in accordance with DIN/VDE 0110
Test voltage	3.1 kV
Amp capacity at 20°C	25 A per pin connection A 6.3 x 0.8
Material	bus bar: SE-Cu F37, hot-dip tinned insulating body: PP end cap: PC, black mounting parts: steel, galvanized, passivated
Fire protection class	insulating UL 94 V-0

## Delivery

assembled

## Kit consists of:

- Rails
- 1 Plastic body
- 2 End caps
- Mounting parts

## Accessories

	order no. <b>409</b>
Mounting parts 401 (2 position points)	<b>065430</b>
Mounting parts from 1600 mm (4 position points)	<b>059270</b>
Connection lug 100 A	<b>057680</b>

## Ordering details for kits

	nom. length [mm]	for cabinet height	A 2poles order no. <b>409</b>	A 3poles order no. <b>409</b>	B 2poles order no. <b>409</b>	B 3poles order no. <b>409</b>
Bus bar 100 A-	401	-	-	<b>061443</b>	-	<b>080695</b>
Bus bar 100 A-	1600	1800	<b>062093</b>	<b>058447</b>	-	<b>080939</b>
Bus bar 100 A-	1800	2000	<b>062094</b>	<b>058449</b>	<b>080696</b>	<b>080941</b>
Bus bar 100 A-	2000	2200	<b>062095</b>	<b>058451</b>	<b>080697</b>	<b>080943</b>