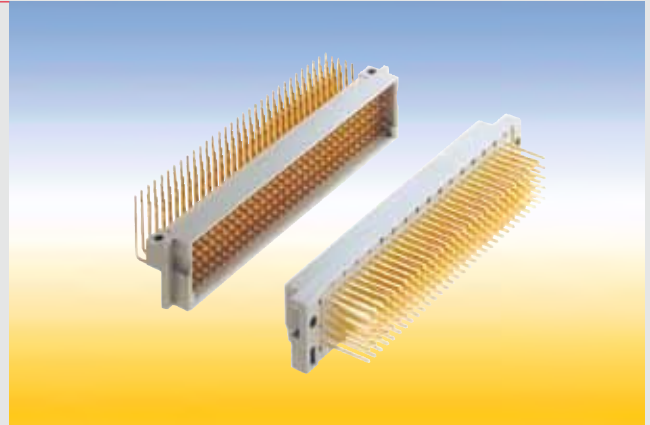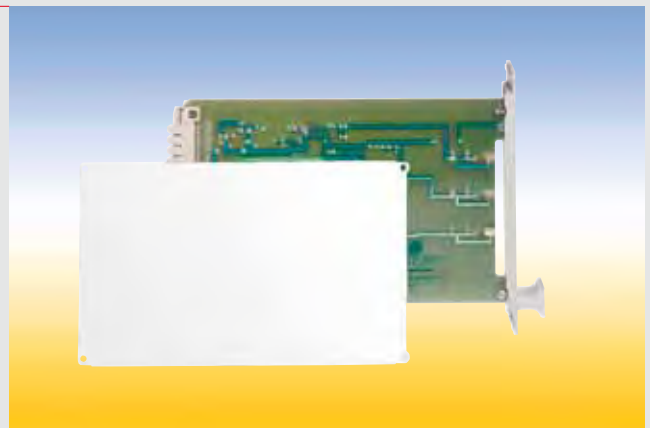## Connectors and Accessories

√ 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 |

style

| 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 | F |
| Male | M |

Termination technique

Crimp	C
Termi-Point	K
Press-fit	P
Solder	S
Fast-on	T
Wire wrap	W
without	O

Position of the premating contact

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 press-fit technique to DIN 41611
Z	For compliant press-fit technique to DIN 41611

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
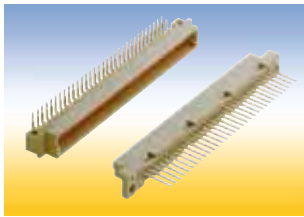
Connectors style B

Ordering details

		no.poles: assignment:	064 ab 1...32
	terminations [mm]		order no. **409.**
Male connector B MS - C1A - 2 SN	0.6 x 0.6 x 2.9		**043 586**
Female connector B FS - C1D - 2 SN	0.25 x 0.7 x 2.5		**105 380**

Connectors style C

Ordering details

		no.poles: assignment:	032 ac 2...32	064 ac 1...32	096 abc 1...32
	terminations [mm]		order no. **409.**	order no. **409.**	order no. **409.**
Male connector C MS - C1A - 2 SN	0.6 x 0.6 x 2.9		**043 598**	**043 606**	**043 610**
Female connector C FS - C1E - 2 SN	0.25 x 0.7 x 4		-	**068 108**	**068 089**
FW - C1H - 2 SN	0.6 x 0.6 x 13		**045 891**	**045 894**	**045 897**

Connectors style D

Ordering details

		no.poles: assignment:	032 ac 2...32
	terminations [mm]		order no. **409.**
Male connector D MS - C1A - 2 SN	0.6 x 0.6 x 2.9		**043 622**
Female connector D FW - C1H - 2 SN	1 x 1 x 20		**070 323**
FC - B	f. male 0.6 x 0.6		**031 022**
FC - B	f. male 0.6 x 1/1.5		**031 031**
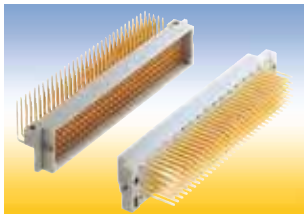
Connectors style E

Ordering details

		no.poles:	048 row separation 5,08	048 row separation 2.54
		assignment:	ace 2...32	ace 2...32
	terminations [mm]		order no. **409.**	order no. **409.**
Male connector E MS - C1A - 2 SN	0.6 x 0.6 x 2.9		**045 210**	**045 235**
Female connector E FW - C1H - 2 SN	1 x 1 x 20		**070 425**	-
FW - C1H - 2 SN	0.6 x 0.6 x 13		-	-
FC - B	f. male 1 x 1		**031 030**	-
FC - B	f. male 0.6x1/1.5		**031 021**	-

Wiring and Accessories

This catalog contains stock and standard parts. Other products and sizes on request.

Connectors Styles F, H and R
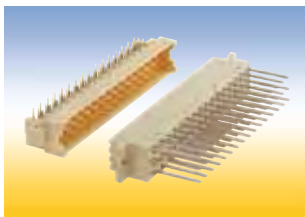
Connectors style F

Ordering details

	no.poles: assignment:	032 zb 2...32	048 zbd 2...32
	terminations [mm]	order no. **409.**	order no. **409.**
Male connector F			
MS - C1A - 2 SN	0.6 x 0.6 x 2.9	**022 622**	**041 660**
Female connector F			
FW - C1E - 2 SN	1 x 1 x 4.5	**070 969**	**024 567**
FW - C1H - 2 SN	1 x 1 x 22	**042 219**	**042 218**
FC - B	f. male 0.6x1/1.5	-	**031 015**
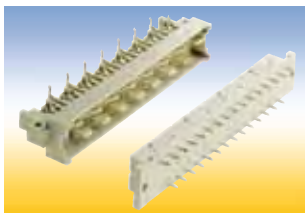
Connectors style H

Ordering details

	no.poles: assignment:	011 b 2.5,8...32	015 dz 4...32
	terminations [mm]	order no. **409.**	order no. **409.**
Male connector H			
MS -C2A - 1 AG z32 at 3.5 mm premating	1.2 x 0.8 x 3.5	**098 989**	-
MS - C2A - 1 SN z32 at 1.5 mm premating	1.2 x 0.8 x 2.9	-	**101 385**
MT - C2S - 1 AG b32 at 3.5 mm premating	6.3 x 0.8 x 8	**098 986**	-
MT - C2S - 1 AG z32 at 1.5 mm premating	6.3 x 0.8 x 8	-	**094 628**
Female connector H			
FT - C2S - 1 AG	6.3 x 0.8 x 8	**098 991**	-
FT - C2S - 2 AG	6.3 x 0.8 x 8	-	**071 015**
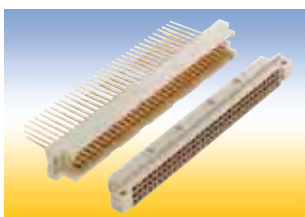
Connectors style R

Ordering details

	no.poles: assignment:	032 ac 2...32	064 ac 1...32	096 abc 1...32
	terminations [mm]	order no. **409.**	order no. **409.**	order no. **409.**
Male connector R				
C1E - 2 SN	0.6 x 0.6 x 4	**077 051**	**077 055**	**077 058**
C1H - 2 SN	0.6 x 0.6 x 13	**077 045**	**074 202**	**077 048**
Female connector R				
C1A - 2 SN	0.6 x 0.6 x 6	**077 038**	**074 203**	**077 042**

This catalog contains stock and standard parts. Other products and sizes on request.

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

Ordering details

	for connector style	conductor cross section [AWG]	order no. **409.**	Pliers order no. **409.**
Crimp-snap-in-male MC - S1Q - 2 NI	F	16 - 18	**077 112**	**035 630**
MC - S1Q - 2 NI	F	20 - 24	**077 111**	**035 630**
Crimp-snap-in-female for male contact 0.6x1/0.6x1.5				
FC - S1Q - 1 SN	D, E, F	16 - 18	**031 019**	**035 630**
FC - S1Q - 1 SN	D, E, F	20 - 26	**031 018**	**035 630**
FC - S1Q - 1 SN	D, E, F	26 - 28	**031 020**	**031 120**
Crimp-snap-in-female for male contact 1 x 1				
MC - S3Q - 3 SN	D, E, F	16 - 18	**031 024**	**035 630**
MC - S3Q - 3 SN	D, E, F	20 - 26	**031 023**	**035 630**
unlocking tool			**031 123**	-
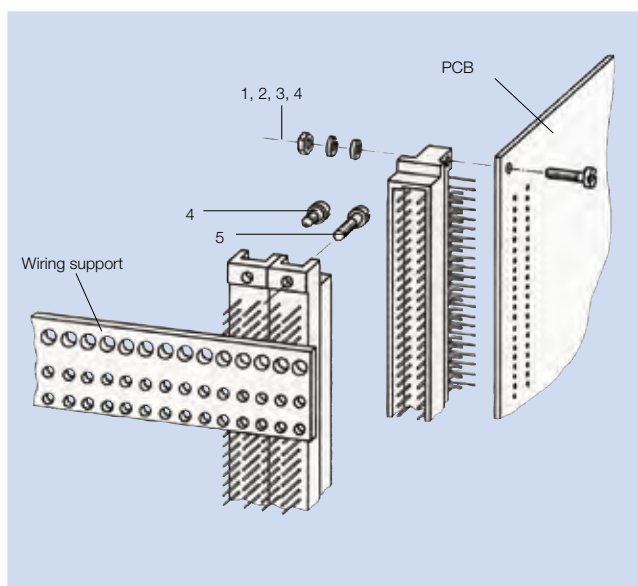
Mounting of Connectors

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	**013 938**
Spring washer 2.5 DIN 127	2	**013 910**
Washer 2.7 DIN 433	3	**018 028**
Pan head screw M 2.5x12 DIN 84	4	**013 904**
Tapered screw M 2.5 x 6.5	5	**032 708**
Tapered screw M 2.5 x 9	5	**070 476**

Wiring and Accessories

7.5

Accessories for Connectors

| version DEF | version CD | version D |
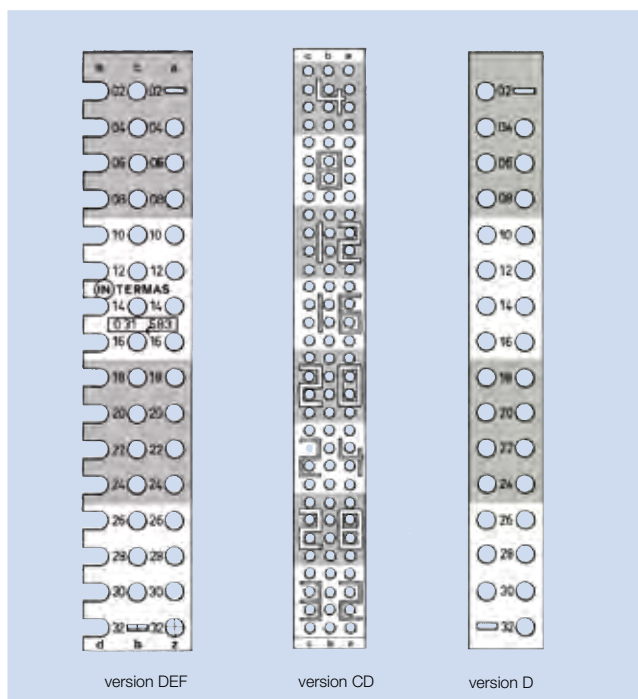
Marking Strips

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.
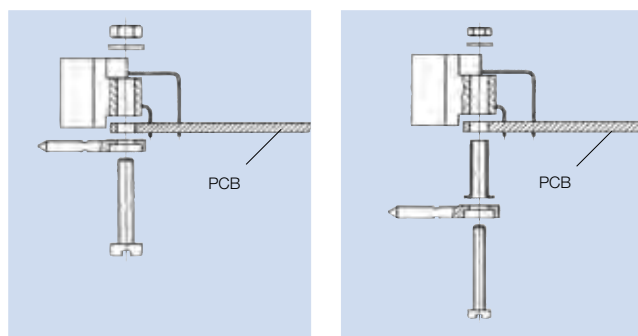
order no.: **409. 031 583**

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.
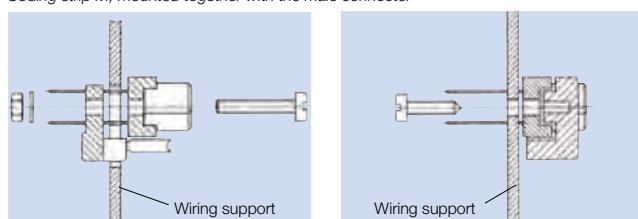
order no.: **409. 022 714**

3. Typ *D*
for connectors style D

order no.: **409. 044 214**

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 [1]	033 188
Coding strip F [1]	033 189
Coding strip F-plate [1] [2]	070 617
Coding strip F-plate 2 [1] [3]	064 740

1) one functional unit comprises 1 coding strip M and one coding strip F
2) for attaching with self tapping screws
3) attaching at through hole

This catalog contains stock and standard parts. Other products and sizes on request.
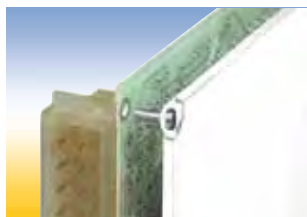
Wiring and Accessories

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

Technical data

Material	PBT (Polyester)
Continous temperature	-40 °C to +100 °C
Fire protection class	UL 94 V-0 at 0.8 mm
Color	white

Mounting of PCB cover standard at side of the connector
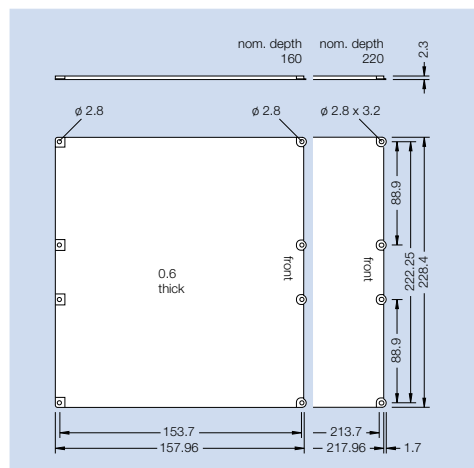

Mounting of PCB cover for coding strip jammed under the recess of the coding strip
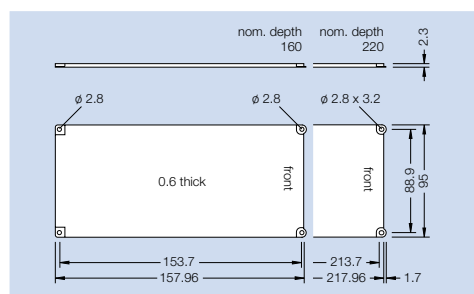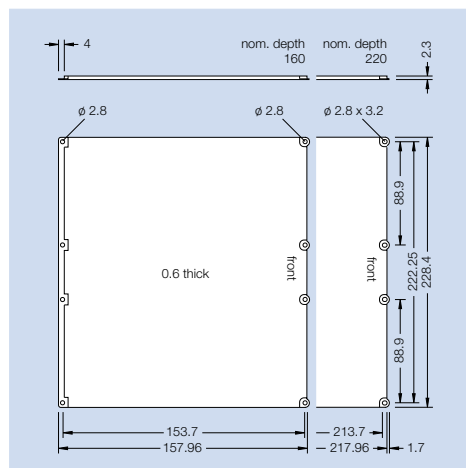

PCB cover standard 3U
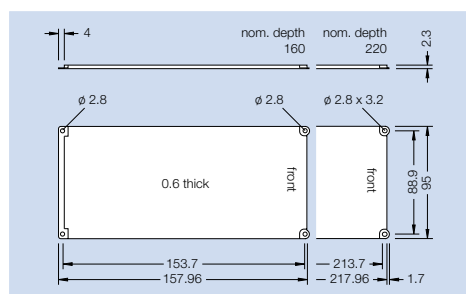
PCB cover for coding strip 3U

PCB cover standard 6U

PCB cover for coding strip 6U

Ordering details

	PCB height [mm]	standard order no. 409.	coding strip order no. 409.
Cover for Euroboards			
3-160	100	100 652	100 650
3-220	100	100 662	100 660
6-160	233.35	102 110	102 109
6-220	233.35	102 113	102 112

Metallized PCB cover on request.

This catalog contains stock and standard parts. Other products and sizes 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: Makrolon, pebble gray guide components: Makrolon, 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

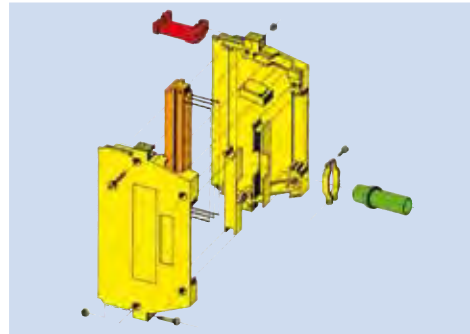| Color code:	
yellow:	interface housing
orange:	male connector
blue:	female connector
red:	guide components
green:	accessories

Wiring and Accessories

Plastic Interface Housings

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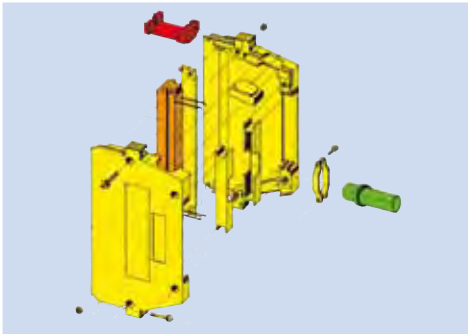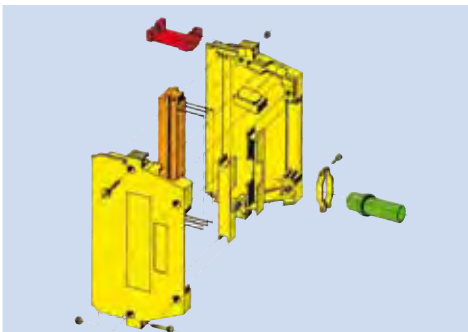
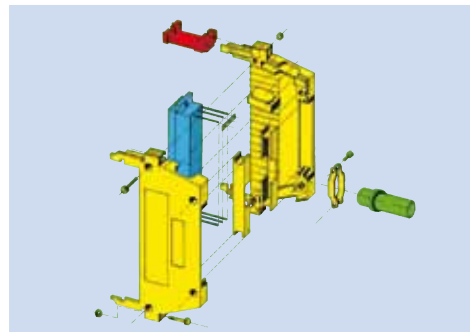

Interface Housing B

order no.: **409. 077 516**

Interface Housing C

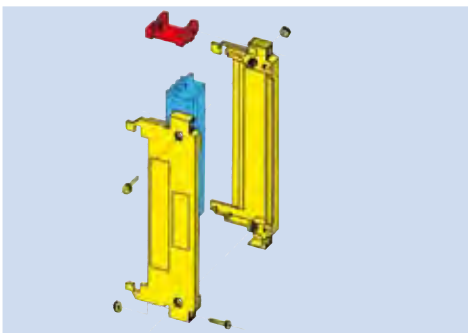order no.: **409. 031 124**

Interface Housing E

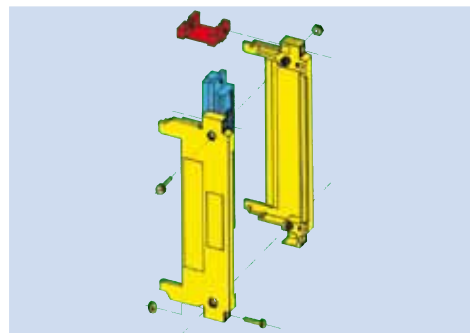order no.: **409. 031 125**

Interface Housing F

order no.: **409. 070 620**

Interface Housing F2
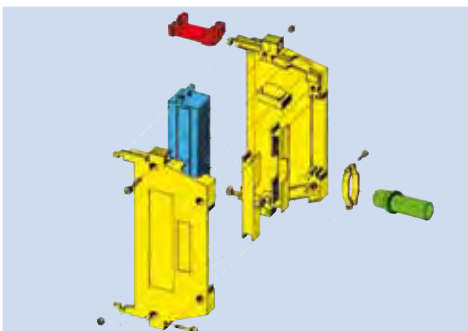for termination technique with ribbon cable

order no.: **409. 073 659**

Interface Housing C1
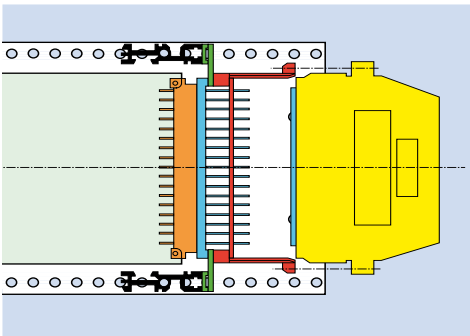for termination technique with ribbon cable

order no.: **409. 070 621**

Interface Housing F1
for crimp-snap-in termination technique

order no.: **409. 071 876**

Wiring and Accessories
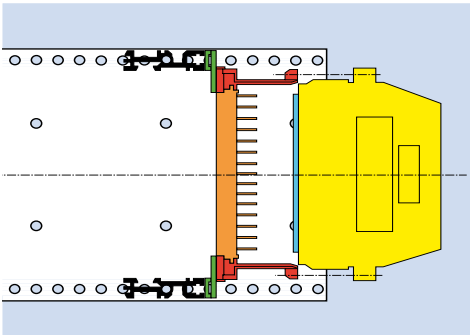
Plastic Guide Components

Application

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

Ordering details for kits

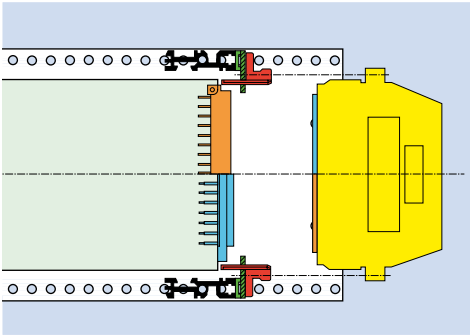|	length spacer	for interface housings	order no. 409.
Guide component C-Huk 13	6	C, C1	032 563
Guide component C-Huk 17	9	C, C1	032 564
Guide component D-Huk 20	11	D	032 565
Guide component D-Huk 26	17.5	D	032 566
Guide component E-Huk 20	11	E	032 567
Guide component E-Huk 26	17.5	E	032 568
Guide component F-Huk 22	22	E	032 569

Application

For interface housings with female connector, to attach on the connecting pins of a *U-element*. Installation in the wiring field of the subrack.

Ordering details for kits

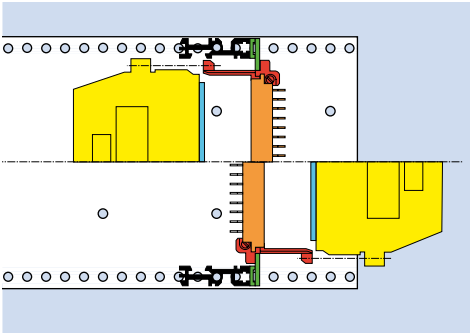|	for interface housings	order no. 409.
Guide component U-element	F, F1, F2	035 207

Application

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

Ordering details for kits

	for interface housings and connectors	order no. 409.
Guide component CDFHR-LP	C, C1, D, M, F, F1, F2, H, R	032 553
Guide component E-LP	E	032 554

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. 409.
Guide component CDR-M-SB/FP	B, Q, C, C1, R, D, M	032 520
Guide component E-M-SB/FP	E	032 551
Guide component F-M-SB/FP	F, F1, F2, U, H	032 575

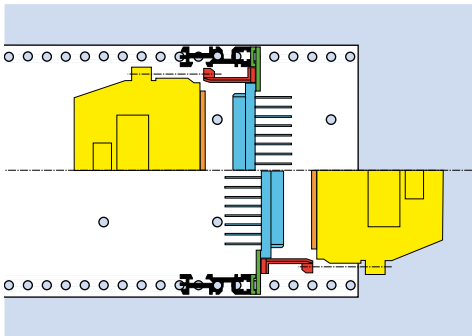This catalog contains stock and standard parts. Other products and sizes on request.
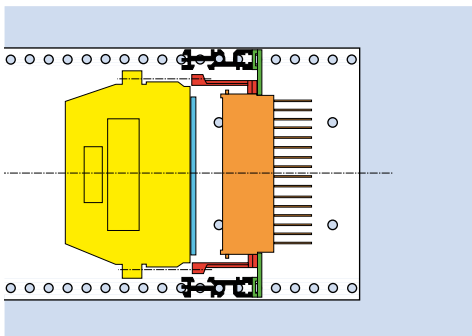
Application

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

Ordering details for kits

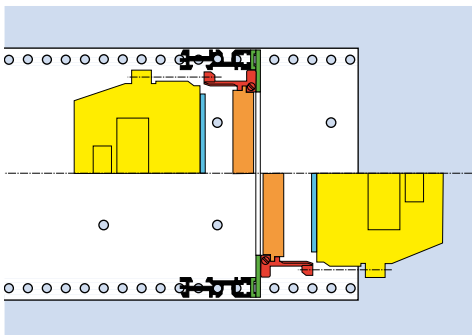|	for interface housings and connectors	order no. 409.
Guide component CDHR-F-SB	C, C1, R, D, M, H, B, Q	032 555
Guide component E-M-F-SB	M	032 556

Application

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

Ordering details for kits

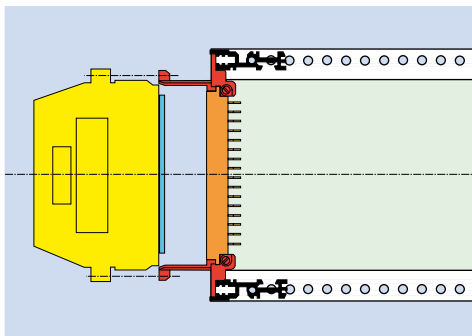|	for interface housings and connectors	order no. 409.
Guide component I-unit	F, F1, F2	035 206

Application

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

Ordering details for kits

	order no. 409.
Guide component CDHR-M-BP	072 620
Guide component E-M-BP	072 619

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. 409.
Guide component CDR-M-GL	B, C, C1, R, Q, D, M	032 518
Guide component E-M-GL	E	032 549
Guide component F-M-GL	F, F1, F2, U, H	032 574

Color code:

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

Wiring and 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.
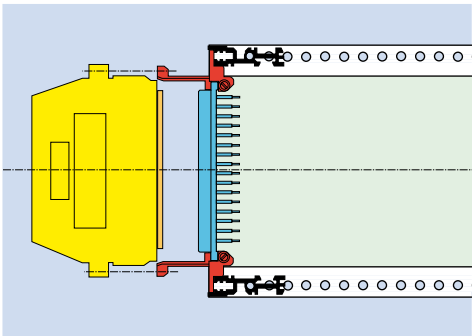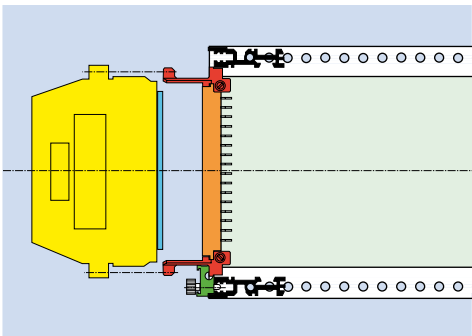
Ordering details for kits

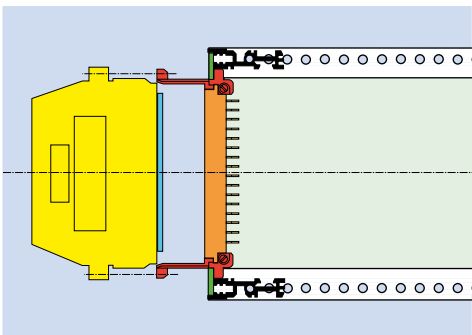|	for interface housings and connectors	order no. **409.**
Guide component CDHR-F-GL	B, Q, C, C1, R, D, M	032 519
Guide component E-F-GL	E	032 550

Application

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

Ordering details for kits

	for interface housings and connectors	order no. **409.**
Guide component F-M-GL	F, H15, U	035 316

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. **409.**
Guide component CDR-M-SB/FP	B, Q, C, C1, R, D, M	032 520
Guide component E-M-SB/FP	E	032 551
Guide component F-M-SB/FP	F, F1, F2, H, U	032 575
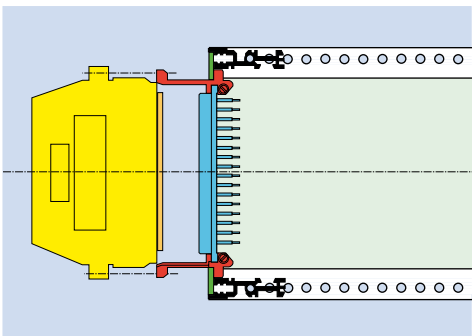
Application

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. **409.**
Guide component CDFHR-FP	B, C, C1, D, M, H11, Q, R	032 523
Guide component E-FP	E	032 552

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

This catalog contains stock and standard parts. Other products and sizes on request.

Accessories for Plastic Interface Housings

Cable Sleeve

Material: black rubber

for housing styles C, F, B
order no.: **409. 032 766**

for housing style E
order no.: **409. 032 767**

Cable Clamp Kit
consists of:
2 brackets and mounting parts

Material: metal

for housing styles C,D, F, H
order no.: **409. 034 532**

for housing style E
order no.: **409. 034 533**
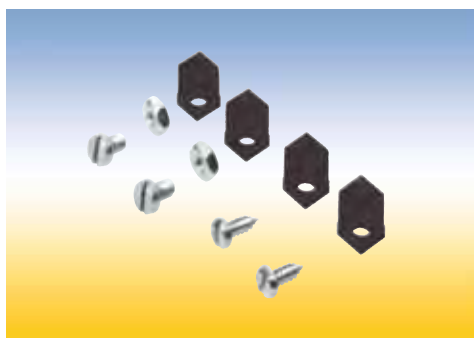
Coding Kit
with 16 possibilities
consists of:
4 coding elements and mounting parts

Material: plastic

order no.: **409. 069 755**

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

Material: metal

order no.: **409. 034 724**

Wiring and Accessories

This catalog contains stock and standard parts. Other products and sizes on request.

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 chromated 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

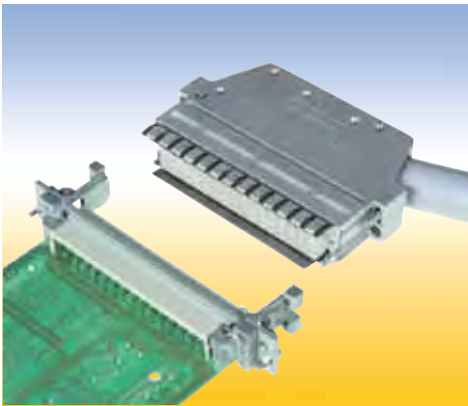**Interface housings:**
As a kit of unassembled components, without guide components.

Guide components:
As an assembled kit.

This catalog contains stock and standard parts. Other products and sizes on request.

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. 409.	galvanized+ chromated order no. 409.
Metal interface housings			
RFI E-standard	4	113 860	113 824
RFI E-shielded	4	-	113 849

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. 409.	galvanized+ chromated order no. 409.
Metal interface housings			
RFI F1-standard	3	113 838	111 775
RFI F1-standard	4	113 840	111 245
RFI F1-shielded	4	-	113 841

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.
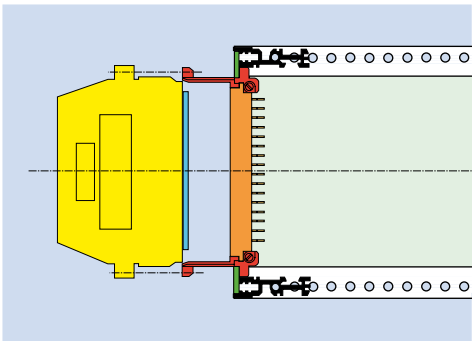
Ordering details for kits

	width [HP]	drum-polished order no. 409.	galvanized+ chromated order no. 409.
Metal interface housings			
HF20COD-standard	4	166 286	166 287
HF20COD-shielded	4	-	166 288

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

Wiring and Accessories

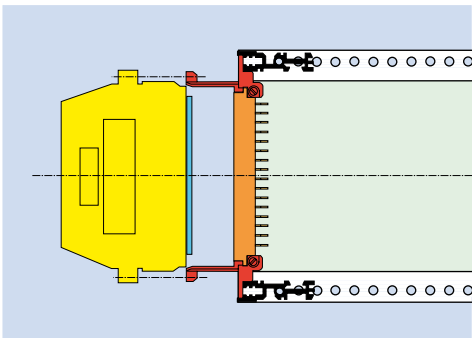This catalog contains stock and standard parts. Other products and sizes on request.

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. 409.
Guide component F metallized	F1- 3 HP	114 122

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. 409.
Guide component F metallized	F1- 3 HP	114 121

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. 409.
Guide component F metallized	top - F1- 3 HP	114 119
Guide component F metallized	bottom - F1- 3 HP	114 120

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

This catalog contains stock and standard parts. Other products and sizes on request.

Wiring and Accessories

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.
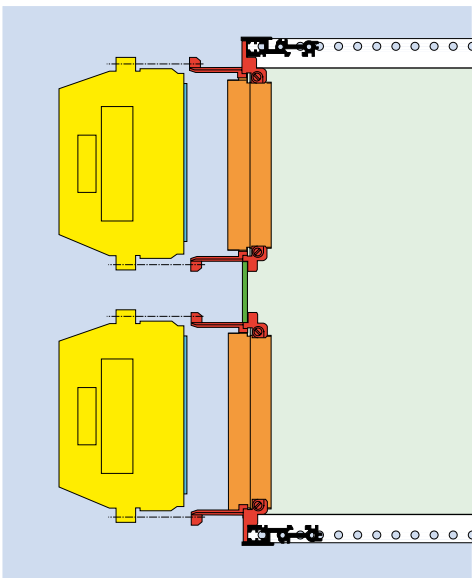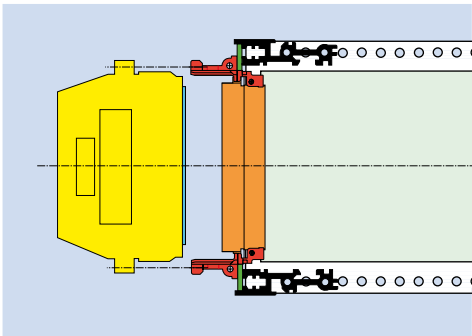
Ordering details for kits

	for metal interface housing RFI	order no. 409.
Guide component F/E metal	E, F1- 4 HP	114 933
Guide component F/E metal with coding	E, F1- 4 HP	114 007

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. 409.
Guide component F/E metal	F1- 4 HP	113 826

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.
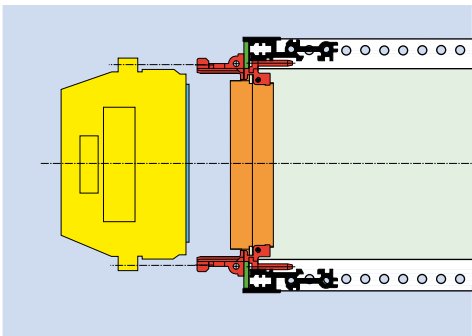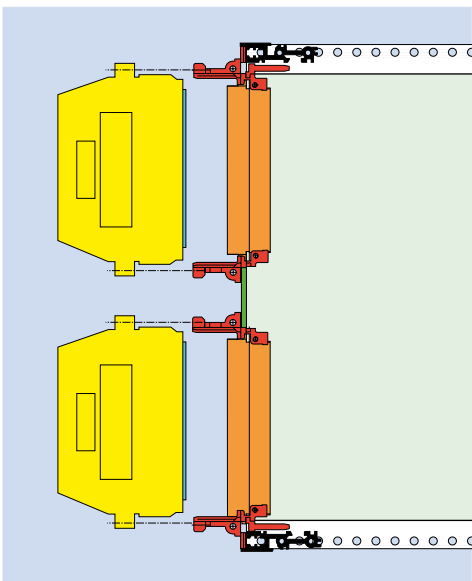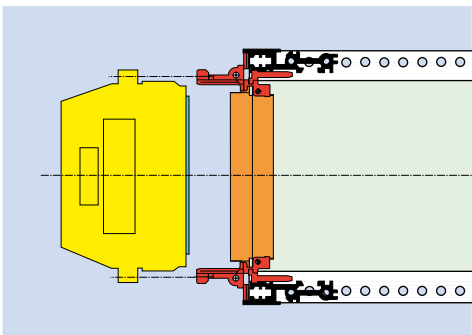
Ordering details for kits

	for metal interface housing RFI	order no. 409.
Guide component F/E metal	top - F1- 4 HP	113 830
Guide component F/E metal	bottom - F1- 4 HP	113 828

Wiring and Accessories

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. 409.
Cable clamp 3 HP	113 788
Cable clamp 4 HP	112 279

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

Material: metal

order no.: **409. 034 724**

This catalog contains stock and standard parts. Other products and sizes on request.

Wiring and Accessories

Retaining Parts Kit
for mounting in subrack

Material: plastic
Finish: metallized

order no.: **409. 114 983**

Coding Strip RFI 20
for the male connector

Material: plastic
Finish: metallized

order no.: **409. 114 985**

Coding Pin RFI 20
Material: plastic

Packing unit: 100 pieces
order no.: **409. 115 095**

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. 409.
Cable clamp smal	**114 982**
Cable clamp wide	**117 108**

Wiring and Accessories

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: Luvogard COM PP8 end cap: PC, black mounting parts: steel, galvanized, colorless chromated
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. 409.
Mounting parts 401 (2 position points)	065 430
Mounting parts from 1600 mm (4 position points)	059 270
Connection lug 100 A	057 680

Ordering details for kits

	nom. length [mm]	for cabinet height	A 2poles order no. 409.	A 3poles order no. 409.	B 2poles order no. 409.	B 3poles order no. 409.
Bus bar 100 A-	401	-	-	061 443	-	080 695
Bus bar 100 A-	1600	1800	062 093	058 447	-	080 939
Bus bar 100 A-	1800	2000	062 094	058 449	080 696	080 941
Bus bar 100 A-	2000	2200	062 095	058 451	080 697	080 943

This catalog contains stock and standard parts. Other products and sizes on request.

Wiring and Accessories