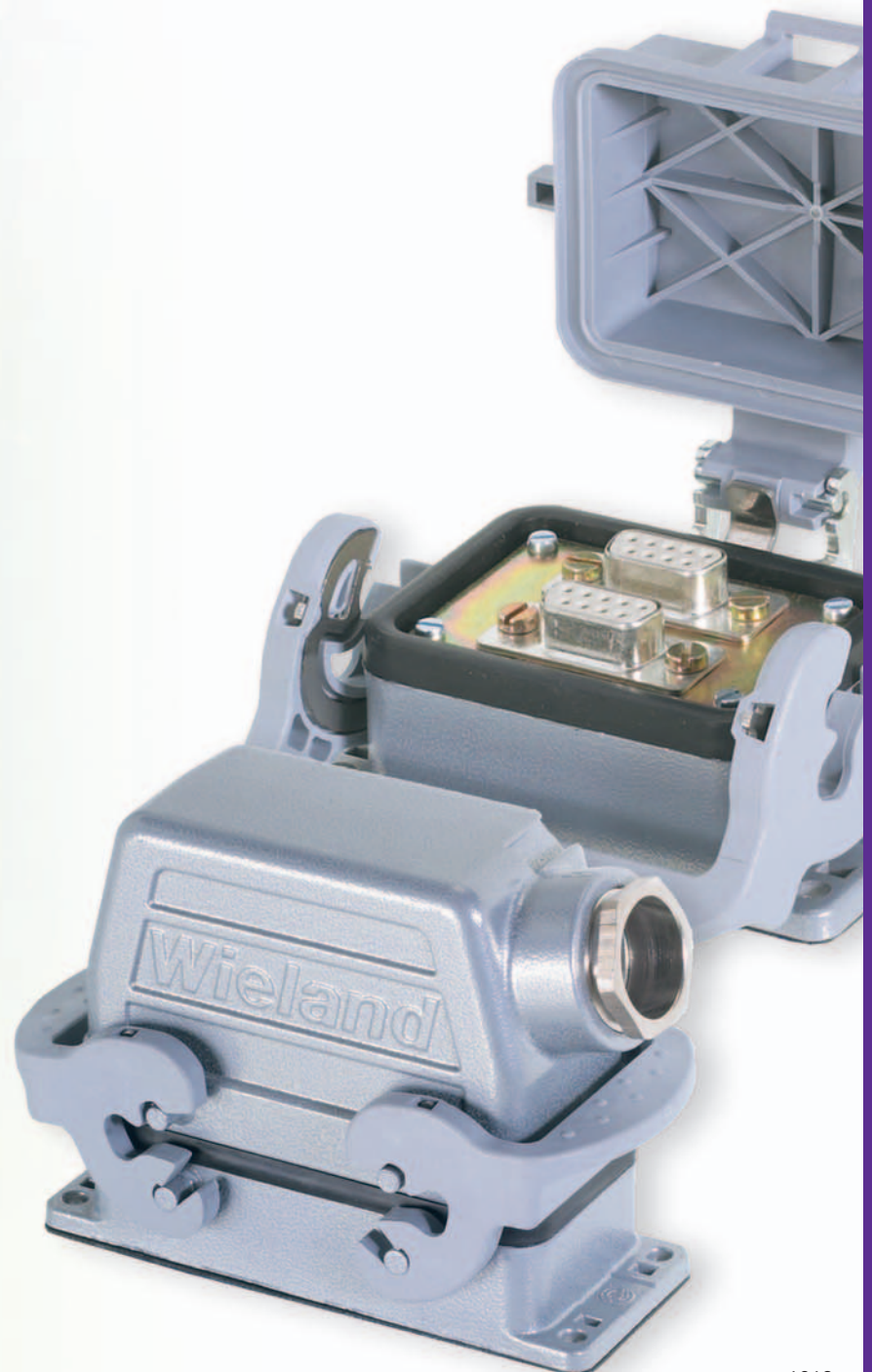


**Industrial multipole
connection**

revos



Contents

revos

Introduction			Page 1022	
revos contact inserts	revos MINI		3 to 8 pole, 50–400 V, 10 A	Page 1044
	revos BASIC	500 V	6 to 24 pole, 500 V, 16 A, screw connection	Page 1046
			32 and 48 pole, 500 V, 16 A, screw connection	Page 1048
			6 to 24 pole, 500 V, 16 A, spring clamp connection	Page 1050
			32 and 48 pole, 500 V, 16 A, spring clamp connection	Page 1052
			6 to 24 pole, 500 V, 16 A, double spring clamp connection	Page 1054
			6 to 24 pole, 500 V, 16 A, crimp connection	Page 1056
			32 and 48 pole, 500 V, 16 A, crimp connection	Page 1058
			10 to 46 pole, 500 V, 16 A, crimp connection	Page 1060
			6 to 24 pole, 500 V, 16 A, multipole adapter, screw connection	Page 1062
			6 to 24 pole, 500 V, 16 A, set of 2 components, single locking lever	Page 1064
			10 to 24 pole, 500 V, 16 A, set of 2 components, double locking lever	Page 1066
			6 to 24 pole, 500 V, 16 A, multipole adapter, spring clamp connection	Page 1068
	690/400 V	690/400 V	3 to 16 pole, 690/400 V, 16 A, screw connection	Page 1070
			20 to 32 pole, 690/400 V, 16 A, screw connection	Page 1072
			3 to 10 pole, 500 V, 16 A, multipole adapter, screw connection, 690/400 V family	Page 1074
			3 to 10 pole, 500 V, 16 A, set of two components, single locking lever, 690/400 V family	Page 1076
			3 to 10 pole, 500 V, 16 A, set of two components, double locking lever, 690/400 V family	Page 1078
			3 to 10 pole, 500 V, 16 A, multipole adapter, spring clamp connection, 690/400 V family	Page 1080
	690 V	690 V	6 to 24 pole, 690 V, 16 A, screw connection	Page 1082
32 and 48 pole, 690 V, 16 A, screw connection			Page 1084	
6 to 24 pole, 690 V, 16 A, crimp connection			Page 1086	
32 and 48 pole, 690 V, 16 A, crimp connection			Page 1088	
6 to 24 pole, 500 V, 16 A, multipole adapter, screw connection, 690 V family			Page 1090	
6 to 24 pole, 500 V, 16 A, set of two components, single locking lever, 690 V family			Page 1092	
10 to 24 pole 500 V, 16 A, set of two components, double locking lever, 690 V family	Page 1094			
6 to 24 pole, 500 V, 16 A, multipole adapter, spring clamp connection, 690 V family	Page 1096			
830 V	830 V	3 to 20 pole, 830 V, 16 A, spring clamp connection	Page 1098	
revos HD	250 V	10 to 32 pole, 250 V, 10 A, screw connection	Page 1100	
		15 to 64 pole, 250 V, 10 A, crimp connection	Page 1102	
		80 pole, 250 V, 10 A, crimp connection	Page 1104	
		40 and 64 pole, 250 V, multipole adapter, screw connection	Page 1106	
revos POWER	400 V to 690 V	4 to 4/6 pole, 400–690 V, 16 to 82 A, screw connection	Page 1108	
		6-/6, 3-/3-/6, 4-/2 pole, 400–690 V, 16 to 100 A, screw connection	Page 1110	
		6 to 24 pole, 500–690 V, multipole adapter, screw connection	Page 1112	
revos trigger action frames	500 V	6 to 24 pole, 500 V, 16 A, trigger action frame, screw connection	Page 1114	
		6 to 24 pole, 500 V, 16 A, trigger action frame, multipole adapter, screw connection	Page 1116	
		6 to 24 pole, 500 V, 10 A, trigger action frame, crimp connection	Page 1118	
	690 V	6 to 24 pole, 690 V, 16 A, trigger action frame, screw connection	Page 1120	
		6 to 24 pole, 690 V, 16 A, trigger action frame, multipole adapter, screw connection	Page 1122	
		6 to 24 pole, 690 V, 10 A, trigger action frame, crimp connection	Page 1124	
250 V	40- and 64 pole, 250 V, 10 A, trigger action frame, crimp connection	Page 1126		
	40- and 64 pole, 250 V, 10 A, trigger action frame, multipole adapter, screw connection	Page 1128		
revos IT	Size 6 and 10 Size 16	Data cable feed-through	Page 1130	
		9 to 50 pole, D-Sub connectors	Page 1132	
		37 to 100 pole, D-Sub connectors	Page 1134	
revos Ⓢ	90 V	6 to 24 pole, 16 A, screw connection	Page 1136	
		48 pole, 16 A, screw connection	Page 1138	
revos FLEX	250 V to 5.5 kV	3 to 10 pole modular inserts, 250 V to 1000 V, crimp connection	Page 1140	
		20 pole, modular blind piece, USB and PROFIBUS module	Page 1142	
		Pneumatic, high-voltage and high-current module	Page 1144	
		4 pole spring clamp and RJ45 module	Page 1146	
		Module frame	Page 1148	
revos MOT	690 V	10 pole, 690 V, 16 A plastic connector	Page 1150	

Contents

revos

revos housings	revos MINI		Metal and plastic housing family	Page 1154
	revos BASIC	Size 6/6H	Hoods 500 V, single locking lever Hoods 500 V + 690 V, single locking lever Bases 500 V, single locking lever Hoods 690 V, single locking lever Bases 690 V, single locking lever	Page 1158 Page 1160 Page 1162 Page 1166 Page 1168
		Size 10/10H	Hoods 500 V, single locking lever Bases 500 V, single locking lever Hoods 500 V, double locking lever Bases 500 V, double locking lever Hoods 690 V, single locking lever Bases 690 V, single locking lever Hoods 690 V, double locking lever Bases 690 V, double locking lever	Page 1170 Page 1174 Page 1178 Page 1184 Page 1188 Page 1190 Page 1192 Page 1196
		Size 16/16H	Hoods 500 V, single locking lever Bases 500 V, single locking lever Hoods 500 V, double locking lever Bases 500 V, double locking lever Hoods 690 V, single locking lever Bases 690 V, single locking lever Hoods 690 V, double locking lever Bases 690 V, double locking lever	Page 1198 Page 1202 Page 1208 Page 1214 Page 1220 Page 1222 Page 1224 Page 1228
		Size 24/24H	Hoods 500 V, single locking lever Bases 500 V, single locking lever Hoods 500 V, double locking lever Bases 500 V, double locking lever Hoods 690 V, single locking lever Bases 690 V, single locking lever Hoods 690 V, double locking lever Bases 690 V, double locking lever	Page 1230 Page 1234 Page 1240 Page 1246 Page 1252 Page 1254 Page 1256 Page 1260
		Size 32	Hoods/bases 500 V + 690 V, double locking lever	Page 1262
		Size 48	Hoods/bases 500 V + 690 V, single locking lever	Page 1264
		Size 6 to 24	EMC hoods 500 V, double locking lever EMC bases 500 V, double locking lever	Page 1266 Page 1268
	revos HD	Size 10/15	Hoods 250 V, size 10/15, single locking lever Bases 250 V, size 10/15, single locking lever	Page 1270 Page 1272
		Size 16/25	Hoods 250 V, size 16/25, single locking lever Bases 250 V, size 16/25, single locking lever	Page 1274 Page 1276
		Size 32/50	Hoods 250 V, size 32/50, double locking lever Bases 250 V, size 32/50, double locking lever	Page 1278 Page 1282
	revos Ex	Size 6Ex	Hoods 90 V, single locking lever Bases 90 V, single locking lever	Page 1284 Page 1286
		Size 10Ex	Hoods 90 V, double locking lever Bases 90 V, double locking lever	Page 1288 Page 1290
		Size 16Ex	Hoods 90 V, double locking lever Bases 90 V, double locking lever	Page 1292 Page 1294
		Size 24Ex	Hoods 90 V, double locking lever Bases 90 V, double locking lever	Page 1296 Page 1298
		Size 48Ex	Hoods/bases 90 V, single locking lever	Page 1300
	revos sets with 4 components	Size 6 to 24 500 V	Complete multipole connector sets (housing + contact inserts)	Page 1302
revos accessories	revos mounting frame		Mounting frame size 6 to 24 for DIN rail mount	Page 1306
	revos cover and reducer plates		Cover and reducer plates for control cabinet installation	Page 1307
	revos coding accessories		Coding bolts, coding pins and female coding pieces	Page 1308
	revos cable glands		Metal and plastic glands IP68 Metal glands IP54 Reduction pieces, expansion pieces and PG/metric adapter Blind piece	Page 1312 Page 1314 Page 1316 Page 1318
	revos protective cover		Size 6 to 24 Protective cover with or without locking levers, IP65 Size 32 protective cover, revos MINI-protective cover, IP65 Size 6 to 24, protective cover, latchable	Page 1320 Page 1322 Page 1324
	revos tools		Crimping tool, insulation stripping tool and screwdriver	Page 1326
	revos marking accessories		Marking accessories and marking tag carriers	Page 1330
	Technical data			Mounting dimension, installation spacings and derating curves

Overview of the industrial multipole connector range **revos**

revos

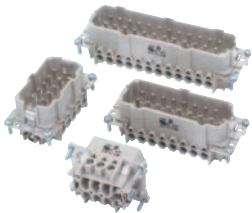
Industrial multipole connectors are specially designed to satisfy the demanding requirements of aggressive environment applications. The main areas of application are the automotive industry, machine tool construction, industrial system building, as well as I&C technology.

They simplify the installation of machines and industrial systems, and help to save time. Their housings protect against mechanical stress and prevent ingress of splashing water or dust. Quality checks can be performed in the factory for complete system sections, and their commissioning can be simplified.

For **revos** connectors a CCC approval has been applied for.

Contact inserts:

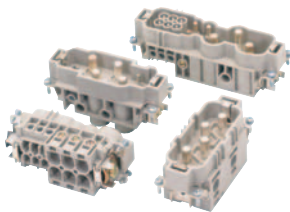
revos BASIC



The proven connectors and multipole adapters are available in 6 to 92 pole design with screw, spring clamp and crimp connection technology.

The contact inserts and multipole adapters of **revos** BASIC can be found beginning on page 1046.

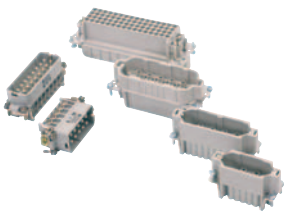
revos POWER



The contact inserts and multipole adapters are designed for >16 A currents; they are also available with mixed contacts and screw connection.

The contact inserts and multipole adapters of **revos** POWER can be found beginning on page 1108.

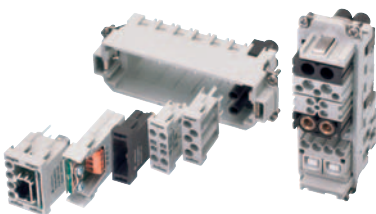
revos HD



Contact inserts and multipole adapters with 15 to 64 poles and for currents up to 10 A designed according to DIN EN 175301-801 (previously DIN 46352). The contact inserts are designed in crimp connection technology.

The contact inserts and multipole adapters of **revos** HD can be found beginning on page 1100.

revos FLEX



The modular system for the economical and clever mixture of contact inserts. With this flexible system you can customize your connector, to meet the requirements of your application.

The contact inserts of the **revos** FLEX series can be found beginning on page 1140.

revos MINI



The contact inserts for the **revos** MINI connector series are very compact and available with 3 to 8 poles.

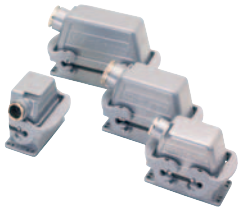
The contact inserts for the **revos** MINI connectors can be found beginning on page 1044.

Overview of the industrial multipole connector range *revos*

revos

Housing families:

revos BASIC



The housing of the BASIC series are available in size 6 to 48. For convenient connection of the cables this series is also available with enlarged cable entry in increased height design in sizes 6H–24H. The housings are made of die cast aluminum with, silicon-free finish. The housings of **revos** BASIC can be found beginning on page 1158.

revos HD



The housings of the HD series are available in size 10/15 to 32/50. The housings of the **revos** HD series can be found beginning on page 1270.

revos MINI



The design of the housings for the connectors of **revos** MINI is very compact and available in two materials:


- Die cast zinc alloy
- Polyamide




The housings of the **revos** MINI series can be found beginning on page 1154.

Special multipole connector designs:

revos



revos  multipole connectors are designed for special applications in hazardous areas. Their use in zone 1 for intrinsic circuits has been approved by the BVS test institute. The housings for the multipole connectors are manufactured from die cast zinc alloy.

revos  multipole connector contact inserts can be found beginning on page 1136. The housings for **revos**  can be found beginning on page 1284. See the operating instructions for  multipole connectors on page 1445.

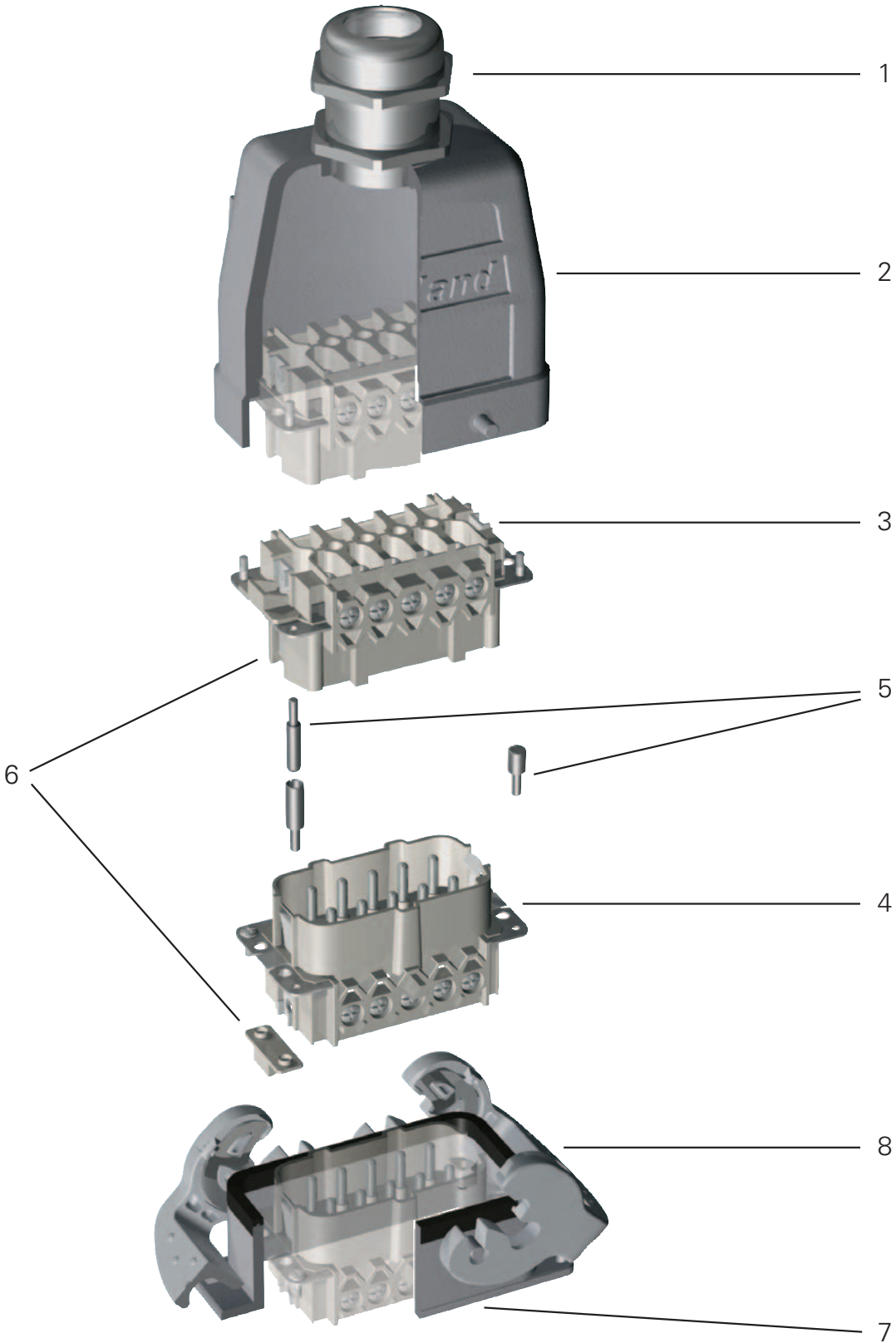
revos IT



Data cable feed-throughs – the ideal solution for the installation of pre-assembled cables to enclosures. Sealed and with strain relief. Inserts with D-Sub connectors 9 to 100 pole. **revos** IT products can be found beginning on page 1130.

General design of a
revos industrial multipole connector

revos



General design of a **revos** industrial multipole connector


revos

1. Cable glands

For **revos** industrial connectors the following cable glands are available:

- Cable gland without strain relief, protection degree IP54, 7x.xxx.xxxx.0 fully assembled
- Cable glands, protection degree IP68, available as accessories in plastic or brass
- EMC cable glands

2. Hoods

Aluminum die cast alloy, silicon-free finish (housings for (**revos** )- and **revos** MINI are manufactured from die cast zinc alloy)

- Low and increased height designs available
- Cable entry at the side, on top or at the front
- With or without locking levers

3. Female inserts

Available in the following connection techniques:

- Screw connection
- Spring clamp connection
- Crimp connection

4. Male inserts

Available in the following connection techniques:

- Screw connection
- Spring clamp connection
- Crimp connection


5. Coding accessories

Coding pins, female coding pieces and coding bolts

6. Coding bolts

Coding pieces are used for coding 690 V contact inserts. In the 690 V housings the coding ribs are removed and insulating tape is attached inside the housing in order ensure the creepage distances and clearances to live parts. This mechanical coding prevents the 690 V contact inserts from being mounted in 500 V housings.

7. Bases

Aluminum die cast alloy, silicon-free finish (housings for (**revos** )- und **revos** MINI are manufactured from die cast zinc alloy)

- Low and increased height designs available
- Open-bottom and closed-bottom bases
- Single or double locking lever of plastic, steel or stainless steel
- Coupling for “cable-to-cable connections”

8. Locking levers

Single or double locking lever in plastic, steel or stainless steel design.

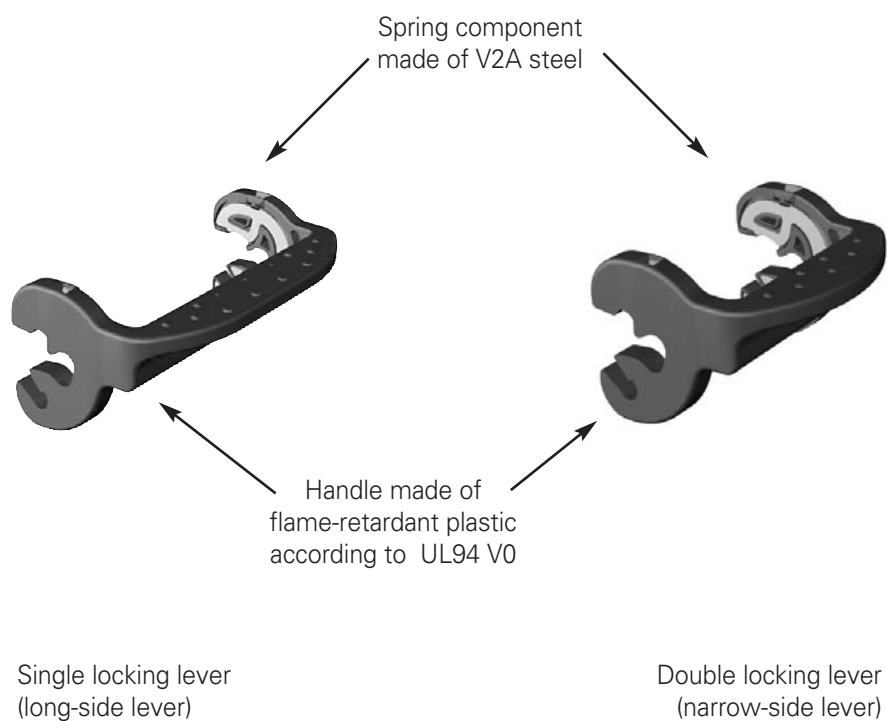
The locking mechanism of the **revos** BASIC industrial multipole connectors

The locking levers secure the mechanical connection between hood and housing. The locking mechanism is also a main determinant of the connector's IP protection rating. Wieland's standard **revos** BASIC connectors in size 6 to 24 are equipped with locking levers that are made of two components.

The handle consists of flame-retardant and halogen-free plastic material and ensures convenient and almost wear-free locking. The retention force is provided by a spring component that is made of V2A stainless steel and also resists aggressive environmental conditions.

Locking features:

- Low-wear locking mechanism
- High holding forces
- Plastic material suitable for outdoor applications
- Salt and seawater resistant, UV resistant
- During overhead mounting the lever will remain in the open position
- Replaceable
- Self-extinguishing plastic material according to UL 94 V0



The locking mechanism of the **revos** BASIC industrial multipole connectors

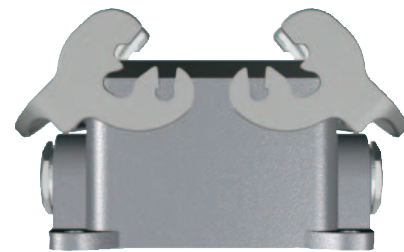
In general we distinguish levers on the hood and levers on the base, as well as single locking levers (on the long side) and

double locking levers (on the narrow side). On the opposite hood or base there are studs to which the lever latches.

The following lock types are available:



One long-side lever
(single locking lever)



Two narrow-side levers
(double locking lever)

Connectors for cable-to-cable couplings:



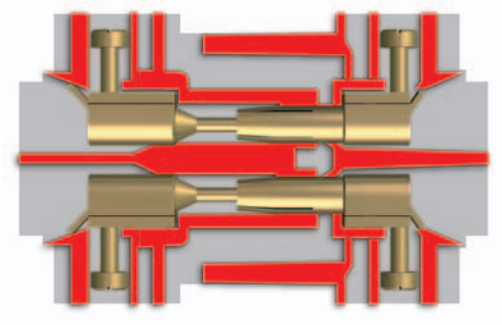
One long-side lever
(single locking lever)



Two narrow-side levers
(double locking lever)

Locking levers made of steel or stainless steel are available on request.
In case of any questions our connector hotline (+49 951/93 24-997) will be happy to assist you.

Subject to change without further notice



Screw connection technology:

This connection technology is the one most frequently used today.

Screw connectors are designed according to EN 60 999/VDE 0609.

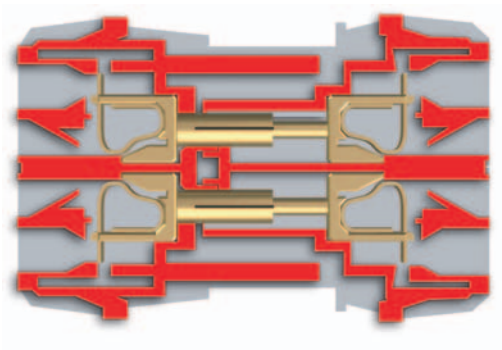
Features of this connection technology:

- Operation is simple and easy
- No special tools required
- High-quality connection that can be used for all areas of application
- Non-permanent connection, rewiring possible

The contact point can be delivered with or without wire protection.

Clamping bodies with wire protection do not require any preparation of the wires.

Clamping bodies without wire protection require appropriate preparation of the wires in case fine-stranded wires are used.



Spring clamp connection technology:

In the last few years this connection technology has been established as an industrial standard.

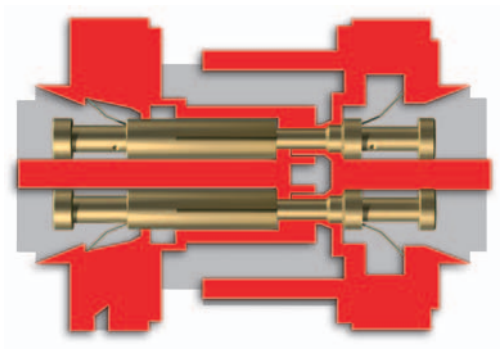
Spring clamp connectors are designed according to EN 60 999/VDE 0609.

Features of this connection technology:

- Easy handling
- No special tools required
- High-quality connection even under vibration
- Non-permanent connection, rewiring possible

For contact inserts with spring clamp connection technology all wire types (solid, stranded, fine-stranded) can be used without special preparation of the wires.

When ferrules are used they must be crimped to the wire by means of a special positively driven crimping tool.



Crimp connection technology:

This connection technology provides the highest quality, but is also the most demanding. The technical requirements for crimp connections are defined in the IEC 60 352-2 standard. Crimp connections must always be produced using a crimping tool that has been designed for the contact. Wieland crimping tools are specifically adapted to the contacts and thus ensure a permanent and corrosion-resistant connection.

Features of this connection technology:

- High-quality connection similar to cold welding
- Consistent repeatability of the crimp connection
- Suitable for automation during pre-assembly of cable harnesses
- Compact design that allows a high contact density
- Special crimping tool required
- Permanent connection

Connection technologies

revos

Screw connection technology

Screw head designs

revos contact inserts have the following screw head designs:

- ⊕ Phillips size H1 and H2 according to DIN 5260 in +/- design
 - Mounting screws for all contact inserts of the **revos** family
 - Clamping screws
 - Ground conductor screws

- ⊖ Slotted screws according to DIN 5264
 - Clamping screws for some **revos** POWER contact inserts

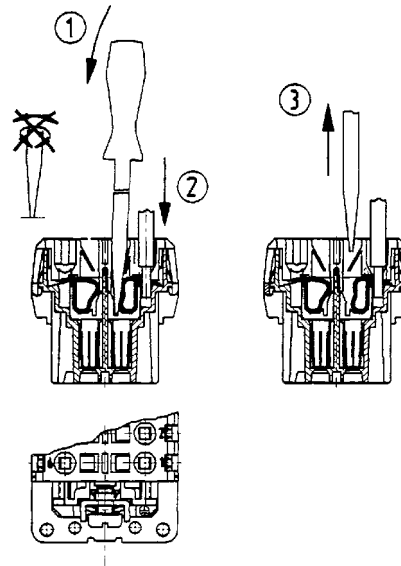
Spring clamp and crimp contact inserts only require fastening and ground conductor screws.

Spring clamp connection technology

Operating instructions:

1. Insert the screwdriver using a slight curving motion into the rectangular opening.
2. Open the clamping body.
The screwdriver will stay in position, and hold the clamping body open.
3. Insert the wire into the round wire entry guide and remove the screwdriver.

Screwdriver: 0.6 mm x 3.5 mm
Part number: 06.502.4000.0



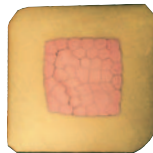
Crimp connection technology

Using the suitable tools when producing crimp connections is essential. Correct and gas-tight connections can only be ensured by tools that are particularly adapted to the contact.

Wieland crimping tools compress the contact point with a so-called B crimp or a square crimp to make it gas-tight.



Micrograph of a B crimp



Micrograph of a square crimp

A contact to tool assignment can be found on page 1328.

Contact materials

revos connectors are available with tin-plated, silver-plated or gold-plated contacts. The basic material is a high-quality copper alloy.

Information on how to change over from Pg to metric threads



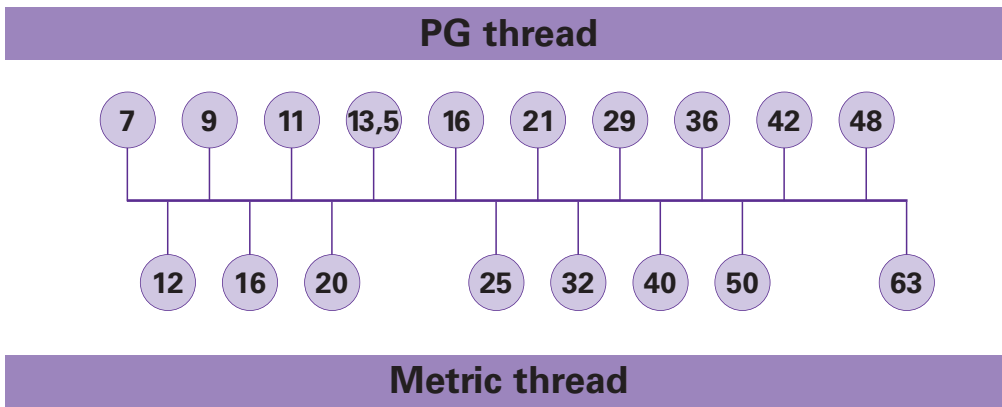
Pg threads are available on request!

1. Basic legal conditions

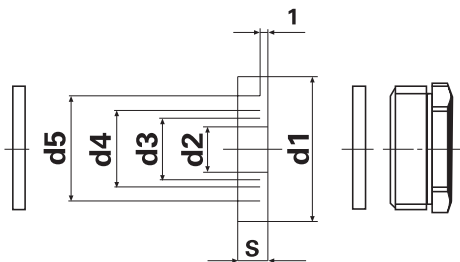
The European standard EN 50 262 "Metric Cable Glands for Electrical Installation" was ratified on April 01, 1989 by CENELEC (European Committee for Electrotechnical Standardization) and put into force.

The big difference in the new EN standard is it has the character of a safety standard. As a building standard it only defines the metric thread and its lead.

2. Comparison of the Pg/metric cable gland sizes



3. Connection ranges for 7x.xxx.xxxx.0 housing type



Please see the following table for the connection ranges of cable glands without strain relief:

Metric thread	d1	d2	Connection range in mm	d3	Connection range in mm	d4	Connection range in mm	d5	Connection range in mm
M 16	13.8	3	2 – 4.5	6	5 – 7.5	9	8 – 10.5		
M 20	17.6	4	3 – 5.5	7	6 – 8.5	10	9 – 11.5	13	12 – 14.5
M 25	22.6	8.5	7.5 – 10	11.5	10.5 – 13	14.5	13.5 – 16	17.5	16.5 – 19
M 32	29.6	16	15 – 17.5	19	18 – 20.5	22	21 – 23.5	25	24 – 26.5

revos



Housings for the BASIC series

Hoods
Single locking lever



Hoods
Double locking lever



GB 16XL, 24XL
with extra large
wiring space

Bases
Single locking lever

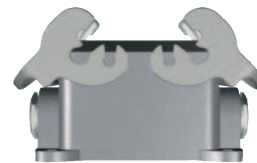


Motor connector housing

Coupling housings
Single locking lever



Bases
Double locking lever



Coupling housings
Double locking lever



Sizes (GB):

- GB 6, 10, 16, 24, 48
- GB 6H, 10H, 16H, 24H

Sizes (GB):

- GB 6, 10, 16, 24, 32
- GB 10H, 16H, 24H, 16XL, 24XL

H \triangle increased high design; XL \triangle extra large wiring space. All bases are also available with a protective cover.
For an assignment of the contact inserts to the housing sizes see page 1036 and 1037 as well as the product matrix on page 1040.

Housing series revos

Housings for the HD series

Hoods
Single locking lever



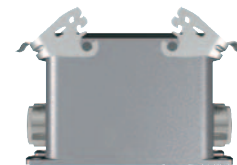
Hoods
Double locking lever



Bases
Single locking lever



Bases
Double locking lever



Coupling housing
Double locking lever



Sizes(GB):
• GB 10/15, 16/25

Size (GB):
• GB 32/50

All bases are also available with a protective cover.

For an assignment of the contact inserts to the housing sizes see page 1038 as well as the product matrix on page 1040.

Housing series

revos

Housings of the MINI series

Hoods



Bases



Coupling housings



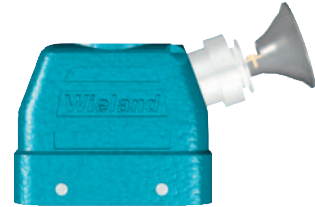
Cover with gasket
for male inserts



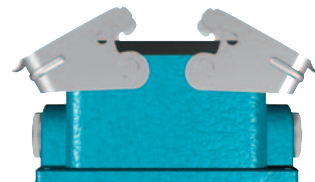
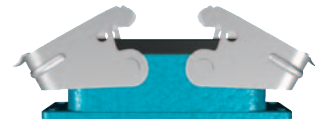
Cover without gasket
for female inserts

Housings of the Ex series

Hoods
Double locking lever



Bases
Double locking lever



Coupling housings
Double locking lever



Sizes(GB):

- GB 10Ex, 16Ex, 24Ex, double locking lever
- GB 6Ex, 48Ex, single locking lever

All bases are also available with a protective cover.















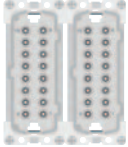
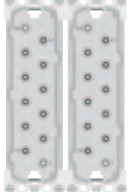
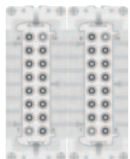
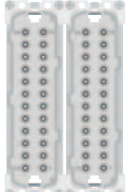
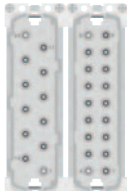

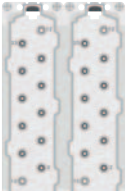
revos



Contact inserts






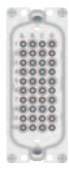
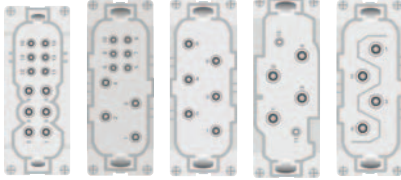


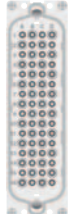


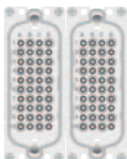
revos

Contact inserts for the housings of the *revos* BASIC series

GB	BASIC 500 V 16 A	BASIC 690/400 V 16 A	BASIC 690 V 16 A	BASIC 830 V 16 A
6/ 6H	 6 + PE		 4/2 switching contacts + ground	
10/ 10H	 10 + PE	 3/2 switching contacts + ground	 8/2 switching contacts + ground	 3/2 switching contacts + ground
16/ 16H	 16 + PE	 6/2 switching contacts + ground	 14/2 switching contacts + ground	 6/2 switching contacts + ground
24/ 24H	 24 + PE	 10/2 switching contacts + ground	 22/2 switching contacts + ground	 10/2 switching contacts + ground
32	 32 + PE	 20/4 switching contacts + ground	 28/4 switching contacts + ground	
48	 48 + PE	 26/4 switching contacts + ground	 32/4 switching contacts + ground	 20/4 switching contacts + ground

Contact inserts

revos

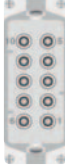

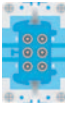
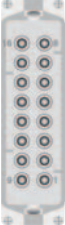

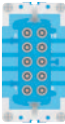
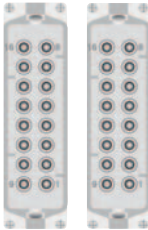
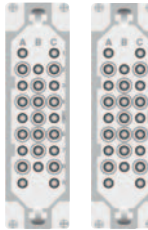
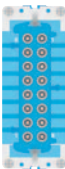
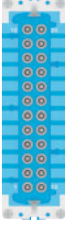
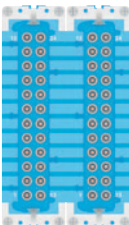
EE 500 V 16 A	HD 250 V 10 A	POWER 230–690 V 16–100 A	FLEX 100–1000 V 4–82 A	GB
 <p>10 + PE</p>			 <p>2 modules</p>	6/ 6H
 <p>18 + PE</p>			 <p>3 modules</p>	10/ 10H
 <p>32 + PE</p>	 <p>40 + PE</p>	 <p>6/6 + PE 4/6 + PE 6 + PE 4/2 + PE 4 + PE</p>	 <p>5 modules</p>	16/ 16H
 <p>46 + PE</p>	 <p>64 + PE</p>	 <p>3/3/6 + PE</p>	 <p>7 modules</p>	24/ 24H
	 <p>80 + PE</p>			32
				48

Contact inserts

revos

**Contact inserts
for *revos* HD housings**

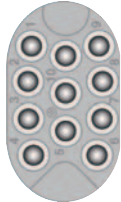



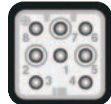
**Contact inserts
for *revos* $\text{\textcircled{Ex}}$ housings**

GB	HD 10/16 250 V 16 A	HD 15/25 250 V 10 A	GB	$\text{\textcircled{Ex}}$ 90 V 16 A
10/15	 <p>10 + ground</p>	 <p>15 + ground</p>	6Ex	 <p>6 + ground</p>
16/25	 <p>16 + ground</p>	 <p>25 + ground</p>	10Ex	 <p>10 + ground</p>
32/50	 <p>32 + ground</p>	 <p>50 + ground</p>	16Ex	 <p>16 + ground</p>
			24Ex	 <p>24 + ground</p>
			48Ex	 <p>48 + ground</p>

Contact inserts




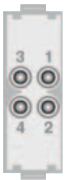





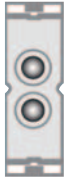



revos

Contact inserts for *revos* MINI housings

GB	3 + ground	4 + ground	7 + ground	8	revos MOT 10 + ground  690 V/16 A
3	 250–400 V/10 A	 400 V/10 A	 50–250 V/10 A	 50 V/10 A	

revos special designs

revos FLEX modular inserts

<h3>Modules for power supply</h3>  <p>3 pole 630 V/40 A Crimp</p>  <p>5 pole 250 V/20 A Crimp</p>  <p>4 + ground 1000 V/16 A Crimp</p>  <p>4 pole 400 V/14 A Spring clamp</p>			<h3>Modules for signal distribution</h3>  <p>10 pole 250 V/10 A Crimp/optical fiber/POF</p>  <p>20 pole 100 V/4 A Crimp</p>	
<h3>Bus systems</h3>  <p>USB 4 pole 30 V/1 A Screw</p>  <p>PROFIBUS 4 pole 30 V/1 A Screw</p>  <p>Ethernet 8 plus 4 pole 30 V/1 A / 400 V/10 A Crimp/optical fiber</p>			<h3>High voltage</h3>  <p>2 pole 5.5 kV/20 A Crimp</p>	
<h3>Compressed air</h3>  <p>Pneumatic 1-polig / 10 bar – Ø 2.5/4 mm</p>  <p>Pneumatic 2-polig / 10 bar – Ø 2.5/4 mm</p>			<h3>Special modules</h3>  <p>Modular blind piece</p>	

Product matrix

revos

The **revos** product matrix provides an overview of the available families of contact inserts and their matching housing series. Horizontally you can find the contact inserts sorted per family and with indications for rated voltage, rated current and connection technology. Vertically the housing series and their variations in size are shown. Matching combinations are found in the matrix.

The restrictions of the **revos FLEX** and **revos HD** contact inserts are caused by their depth and cable density inside the housing when fully equipped with contact inserts. In case of any questions regarding these combinations, our connector hotline (+49 951/93 24-997) will be happy to assist you.

Contact inserts







Wiring technique

S = screw

F = spring clamp

C = crimp

L = optical fiber

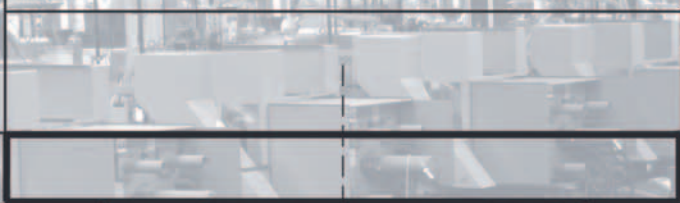
Housing series	Material	Variation	Size (GB)	Locking levers	Catalog page	
BASIC 	Aluminum die cast	500 V	6	Single	1158–1165	
			10	Single	1170–1177	
				Double	1178–1181, 1184–1185	
			16	Single	1198–1199, 1202–1203	
				Double	1208–1211, 1214–1215	
			24	Single	1230–1231, 1234–1235	
				Double	1240–1243, 1246–1247	
			32	Double	1262–1263	
			48	Single	1264–1265	
			690 V	6	Single	1166–1169
				10	Single	1188–1191
					Double	1192–1197
				16	Single	1220–1223
					Double	1224–1229
		24		Single	1252–1255	
		500 V		Double	1256–1261	
				Single	1264–1265	
			Increased height design	6H	Single	1160, 1164–1165
				10H	Single	1172, 1176–1177
					Double	1182, 1186–1187
				16H	Single	1200–1201, 1204–1207
	Double	1212–1213, 1216–1219				
24H	Single	1232–1233, 1236–1239				
	Double	1244–1245, 1248–1251				
690 V – large wiring space	16XL	Double	1209			
	24XL	Double	1241			
EMC housing	6/6H	Single	1266, 1268			
	10/10H	Double	1266, 1268			
	16/16H	Double	1267, 1269			
	24/24H	Double	1267, 1269			
HD 	Aluminum die cast	250 V	10/15	Single	1270–1273	
			16/25	Single	1274–1277	
			32/50	Single	1278–1283	
MINI 	Polyamide		3	Single	1154–1156	
	Die cast zinc alloy	Plastic	3	Single	1154–1156	
 	Die cast zinc alloy	Metal	6	Double	1284–1287	
			10	Double	1288–1291	
			16	Double	1292–1295	
			24	Double	1296–1299	
MOT 	Polyamide	690 V	48	Single	1300–1301	
			10 + ground	Push-Pull	1150–1151	

○ = usable subject to restrictions

● = usable without any restrictions



D



L

L1



ergotech 50-12

D



L

L1

D

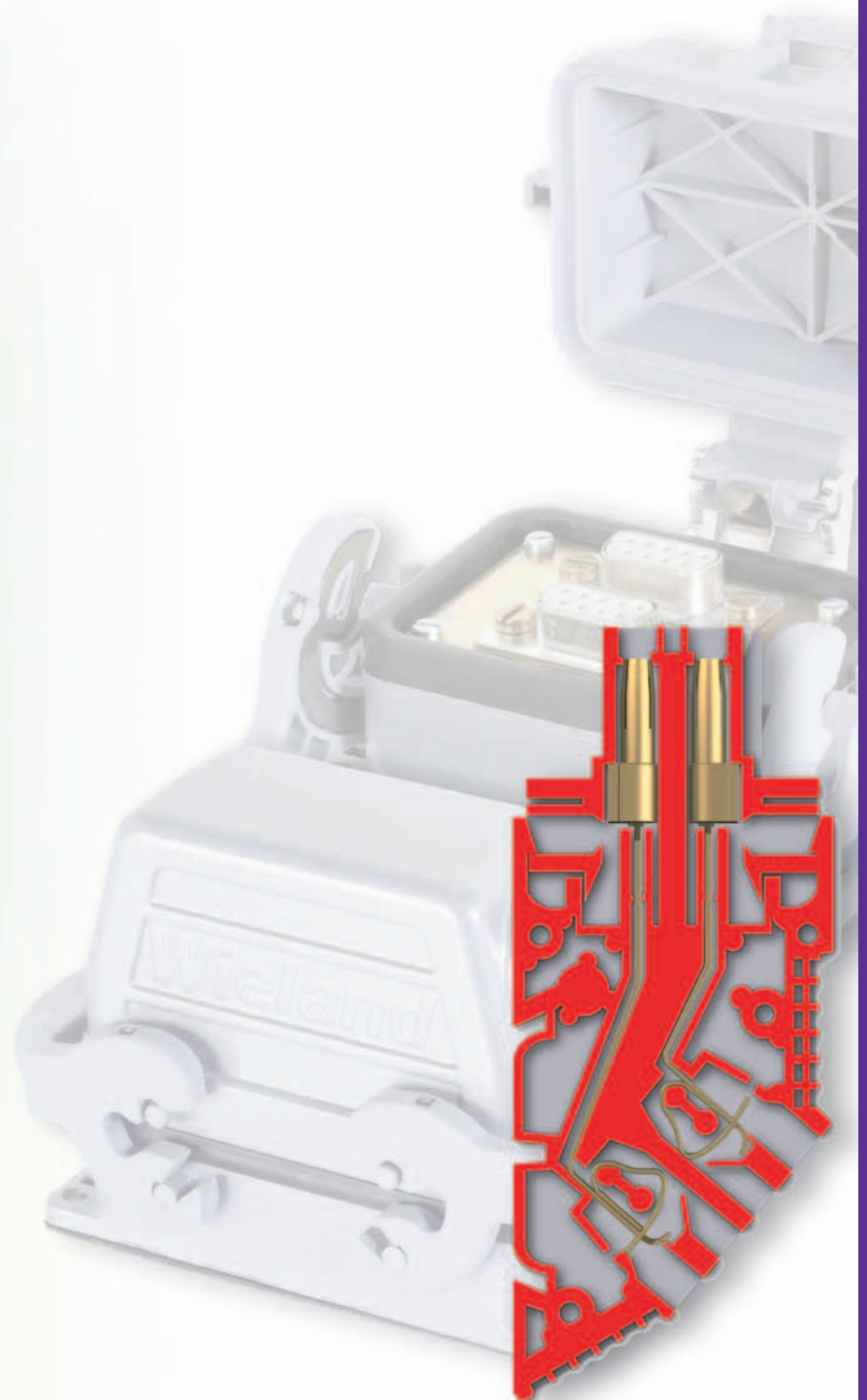
L

L1



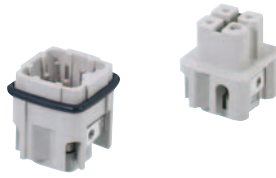
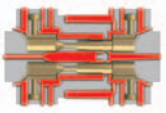
Industrial multipole connectors

revos
contact inserts



Contact inserts

revos MINI



3 pole + ground

Approvals:

4 pole + ground

Approvals:

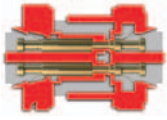
Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos MINI						
Male insert	MIN STS 3 2,5 40	73.310.0353.0	10	MIN STS 4 2,5 25 AG	73.310.0453.0	10
Female insert	MIN BUS 3 2,5 40	73.300.0353.0	10	MIN BUS 4 2,5 25 AG	73.300.0453.0	10
Derating curves						
See page 1346			See page 1346			
Technical data						
Rated voltage						
Installed in a plastic housing	400 V			400 V		
Installed in a metal housing	L - PE 250 V / L - L 400 V			400 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage						
Plastic housing	4 kV			4 kV		
Metal housing	4 kV			4 kV		
Rated current						
10 A			10 A			
Degree of pollution						
3			3			
Rated cross section						
EN 60999	0.5 – 2.5 mm ²			0.5 – 2.5 mm ²		
UL	18-16 AWG			22-12 AWG		
CSA	22-12 AWG			22-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Ag		
Insulation strip length	4 mm			4 mm		
Contact resistance	≤ 2 mΩ			≤ 1.5 mΩ		
Mating cycles	50			200		
Screws head design / recomm. torque						
Mounting screws	M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm		
Clamping screws	M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm		
Ground conductor screws	M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm		
Temperature range						
-40 – +120 °C			-40 – +120 °C			
Dimensions						

Housings for **revos** MINI on pages 1154–1156

Housings for **revos** MINI on pages 1154–1156

Contact inserts

revos



7 pole + ground

Approvals:

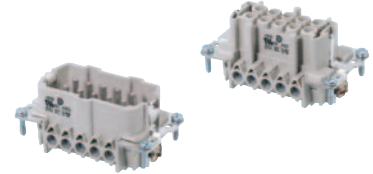
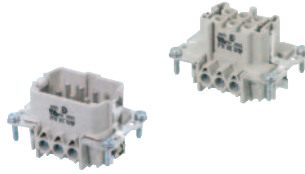
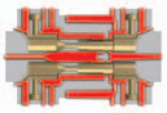
8 pole

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos MINI						
Male insert without crimp contacts	MIN STC 7 25	73.710.0753.0	10	MIN STC 8 05	73.710.0853.0	10
Female insert without crimp contacts	MIN BUC 7 25	73.700.0753.0	10	MIN BUC 8 05	73.700.0853.0	10
Contacts for crimp version						
	mm ² / AWG			mm ² / AWG		
Female reel contacts, Sn	0.2 – 0.56 / 24-20	02.124.0900.0	5000	0.2 – 0.56 / 24-20	02.124.0900.0	5000
	0.75 – 1.5 / 18-16	02.124.1000.0	5000	0.75 – 1.5 / 18-16	02.124.1000.0	5000
Male reel contacts, Sn	0.2 – 0.56 / 24-20	05.544.0900.0	5000	0.2 – 0.56 / 24-20	05.544.0900.0	5000
	0.75 – 1.5 / 18-16	05.544.1000.0	5000	0.75 – 1.5 / 18-16	05.544.1000.0	5000
Female single contacts, Sn	0.2 – 0.56 / 24-20	02.124.0929.0	200	0.2 – 0.56 / 24-20	02.124.0929.0	200
	0.75 – 1.5 / 18-16	02.124.1029.0	200	0.75 – 1.5 / 18-16	02.124.1029.0	200
Male single contacts, Sn	0.2 – 0.56 / 24-20	05.544.0929.0	200	0.2 – 0.56 / 24-20	05.544.0929.0	200
	0.75 – 1.5 / 18-16	05.544.1029.0	200	0.75 – 1.5 / 18-16	05.544.1029.0	200
Female reel contacts, Au	0.5 – 1.5 / 20-16	02.124.1400.0	5000	0.5 – 1.5 / 20-16	02.124.1400.0	5000
Male reel contacts, Au	0.5 – 1.5 / 20-16	05.544.1400.0	5000	0.5 – 1.5 / 20-16	05.544.1400.0	5000
Female single contacts, Au	0.5 – 1.5 / 20-16	02.124.1429.0	200	0.5 – 1.5 / 20-16	02.124.1429.0	200
Male single contacts, Au	0.5 – 1.5 / 20-16	05.544.1429.0	200	0.5 – 1.5 / 20-16	05.544.1429.0	200
Derating curves						
	See page 1346			See page 1346		
Technical data						
Rated voltage						
Installed in a plastic housing		250 V			50 V	
Installed in a metal housing		50 V			50 V	
Rated voltage according to UL/CSA						
Rated impulse voltage						
Plastic housing		4 kV			0.8 kV	
Metal housing		0.8 kV			0.8 kV	
Rated current						
		10 A			10 A	
Degree of pollution						
		3			3	
Rated cross section						
EN 60999		0.2 – 1.5 mm ²			0.2 – 1.5 mm ²	
UL		18-16 AWG			18-16 AWG	
CSA		24-16 AWG			24-16 AWG	
Contacts						
Material		Copper alloy			Copper alloy	
Surface		Au or Sn			Au or Sn	
Insulation strip length		4 mm			4 mm	
Contact resistance		≤ 4 mΩ			≤ 4 mΩ	
Mating cycles		Sn 50 / Au 500			Sn 50 / Au 500	
Screws head design / recomb. torque						
Mounting screws		M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm	
Clamping screws		–			–	
Ground conductor screws		–			–	
Temperature range						
		-40 – +120 °C			-40 – +120 °C	
Dimensions						
Accessories						
	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Crimping tool		95.101.0800.0	1		95.101.0800.0	1
Crimping die "E"		05.502.2400.0	1		05.502.2400.0	1
Contact positioner "2"		05.502.3200.0	1		05.502.3200.0	1
Extraction tool		05.502.0000.0	1		05.502.0000.0	1
Housings for revos MINI on pages 1154–1156				Housings for revos MINI on pages 1154–1156		

500 V contact inserts, screw connection

revos BASIC



6 pole + ground Size 6

Approvals: VDE-PB

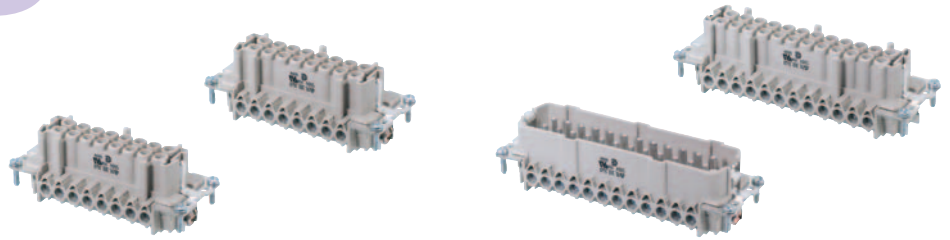
10 pole + ground Size 10

Approvals: VDE-PB

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 500 V						
Male insert with wire protection	BAS STS 6 2,5 50	70.310.0640.0	10	BAS STS 10 2,5 50	70.310.1040.0	10
Female insert with wire protection	BAS BUS 6 2,5 50	70.300.0640.0	10	BAS BUS 10 2,5 50	70.300.1040.0	10
Male insert without wire protection*	BAS STS OD 6 2,5 50	70.312.0640.0	10	BAS STS OD 10 2,5 50	70.312.1040.0	10
Female insert without wire protection*	BAS BUS OD 6 2,5 50	70.302.0640.0	10	BAS BUS OD 10 2,5 50	70.302.1040.0	10
Male insert with wire protection, Au	BAS STS 6 2,5 50 AU	70.311.0640.0	10	BAS STS 10 2,5 50 AU	70.311.1040.0	10
Female insert with wire protection, Au	BAS BUS 6 2,5 50 AU	70.301.0640.0	10	BAS BUS 10 2,5 50 AU	70.301.1040.0	10
Derating curves	See page 1343			See page 1343		
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution						
Rated cross section	3			3		
EN 60999	0.5 – 2.5 mm ²			0.5 – 2.5 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn, alternatively Au			Sn, alternatively Au		
Insulation strip length	7 mm			7 mm		
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ		
Mating cycles	Sn 200/Au 500			Sn 200/Au 500		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
* Preparation of the wire required:						
ferrule, ultrasonic welding for						
flexible cables						
	Housings for size 6 begin on page 1158			Housings for size 10 begin on page 1170		

500 V contact inserts, screw connection

revos



16 pole + ground Size 16

Approvals: VDE-PB

24 pole + ground Size 24

Approvals: VDE-PB

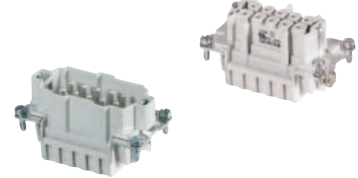
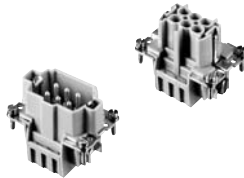
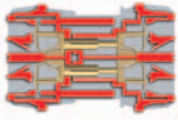
Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack		
Contact inserts for revos BASIC 500 V								
Male insert with wire protection	BAS STS	16 2,5 50	70.310.1640.0	10	BAS STS	16 2,5 50	70.310.1640.0	10
Female insert with wire protection	BAS BUS	16 2,5 50	70.300.1640.0	10	BAS BUS	16 2,5 50	70.300.1640.0	10
Male insert without wire protection*	BAS STS OD	16 2,5 50	70.312.1640.0	10	BAS STS OD	16 2,5 50	70.312.1640.0	10
Female insert without wire protection*	BAS BUS OD	16 2,5 50	70.302.1640.0	10	BAS BUS OD	16 2,5 50	70.302.1640.0	10
Male insert with wire protection, Au	BAS STS	16 2,5 50 AU	70.311.1640.0	10	BAS STS	16 2,5 50 AU	70.311.1640.0	10
Female insert with wire protection, Au	BAS BUS	16 2,5 50 AU	70.301.1640.0	10	BAS BUS	16 2,5 50 AU	70.301.1640.0	10
Derating curves								
	See page 1343			See page 1343				
Technical data								
Rated voltage	500 V			500 V				
Rated voltage according to UL/CSA	600 V			600 V				
Rated impulse voltage	6 kV			6 kV				
Rated current	16 A			16 A				
Degree of pollution	3			3				
Rated cross section								
EN 60999	0.5 – 2.5 mm ²			0.5 – 2.5 mm ²				
UL	20-12 AWG			20-12 AWG				
CSA	20-12 AWG			20-12 AWG				
Contacts								
Material	Copper alloy			Copper alloy				
Surface	Sn, alternatively Au			Sn, alternatively Au				
Insulation strip length	7 mm			7 mm				
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ				
Mating cycles	Sn 200 / Au 500			Sn 200 / Au 500				
Screws head design / recomm. torque								
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm				
Clamping screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm				
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm				
Temperature range								
	-40 – +120 °C			-40 – +120 °C				
Dimensions								
* Preparation of the wire required: ferrule, ultrasonic welding for flexible cables								
Housings for size 16 begin on page 1198				Housings for size 24 begin on page 1230				

revos



500 V contact inserts, spring clamp connection

revos BASIC



6 pole + ground Size 6

Approvals:

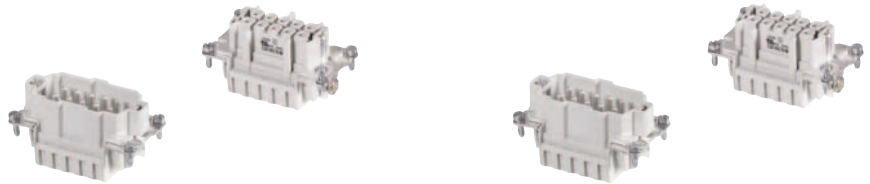
10 pole + ground Size 10

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack	
Contact inserts for revos BASIC 500 V							
Male insert	BAS STF 6 2,5 50	70.510.0653.0	10	BAS STF 10 2,5 50	70.510.1053.0	10	
Female insert	BAS BUF 6 2,5 50	70.500.0653.0	10	BAS BUF 10 2,5 50	70.500.1053.0	10	
Derating curves							
See page 1343				See page 1343			
Technical data							
Rated voltage	500 V			500 V			
Rated voltage according to UL/CSA	600 V			600 V			
Rated impulse voltage	6 kV			6 kV			
Rated current	16 A			16 A			
Degree of pollution	3			3			
Rated cross section	EN 60999 0.14 – 2.5 mm ²			EN 60999 0.14 – 2.5 mm ²			
UL	26-12 AWG			26-12 AWG			
CSA	26-12 AWG			26-12 AWG			
Contacts							
Material	Copper alloy			Copper alloy			
Surface	Ag			Ag			
Insulation strip length	7 mm			7 mm			
Contact resistance	≤ 3 mΩ			≤ 3 mΩ			
Mating cycles	500			500			
Screws head design / recomm. torque							
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm			
Clamping screws	-			-			
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm			
Temperature range							
-40 – +120 °C				-40 – +120 °C			
Dimensions							
Accessories							
Screwdriver	blade "A" 0.6 x 3.5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5
Housings for size 6 begin on page 1158				Housings for size 10 begin on page 1170			

500 V contact inserts, spring clamp connection

revos



16 pole + ground Size 16

Approvals:

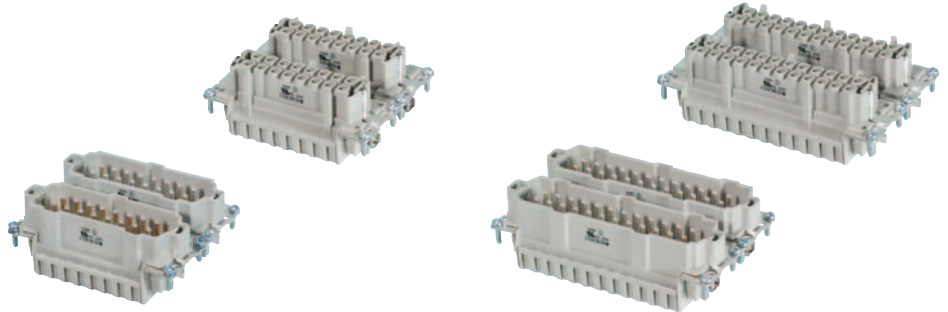
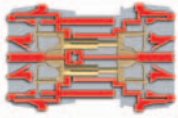
24 pole + ground Size 24

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack		
Contact inserts for revos BASIC 500 V								
Male insert	BAS STF	16 2,5 50	70.510.1653.0	10	BAS STF	24 2,5 50	70.510.2453.0	10
Female insert	BAS BUF	16 2,5 50	70.500.1653.0	10	BAS BUF	24 2,5 50	70.500.2453.0	10
Derating curves								
See page 1343				See page 1343				
Technical data								
Rated voltage	500 V			500 V				
Rated voltage according to UL/CSA	600 V			600 V				
Rated impulse voltage	6 kV			6 kV				
Rated current	16 A			16 A				
Degree of pollution	3			3				
Rated cross section								
EN 60999	0.14 – 2.5 mm ²			0.14 – 2.5 mm ²				
UL	26-12 AWG			26-12 AWG				
CSA	26-12 AWG			26-12 AWG				
Contacts								
Material	Copper alloy			Copper alloy				
Surface	Ag			Ag				
Insulation strip length	7 mm			7 mm				
Contact resistance	≤ 3 mΩ			≤ 3 mΩ				
Mating cycles	500			500				
Screws head design / recomb. torque								
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm				
Clamping screws	-			-				
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm				
Temperature range								
-40 – +120 °C				-40 – +120 °C				
Dimensions								
Accessories								
Screwdriver	blade "A" 0,6 x 3,5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5	
Housings for size 16 begin on page 1198				Housings for size 24 begin on page 1230				

500 V contact inserts, spring clamp connection

revos BASIC



32 pole + ground Size 32

Approvals:

48 pole + ground Size 48

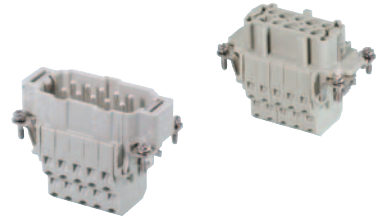
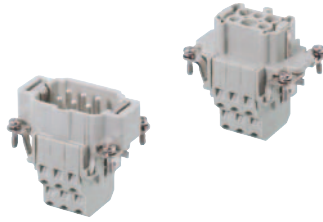
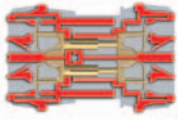
Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 500 V						
Male insert, marked 1-16	BAS STF	32 2,5 50	70.510.3253.0	5		
Male insert, marked 17-32						
Female insert, marked 1-16	BAS BUF	32 2,5 50	70.500.3253.0	5		
Female insert, marked 17-32						
Male insert, marked 1-24				BAS STF	48 2,5 50	70.510.4853.0
Male insert, marked 25-48						
Female insert, marked 1-24				BAS BUF	48 2,5 50	70.500.4853.0
Female insert, marked 25-48						
Derating curves	See page 1343			See page 1343		
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.14 – 2.5 mm ²			0.14 – 2.5 mm ²		
UL	26-12 AWG			26-12 AWG		
CSA	26-12 AWG			26-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Ag			Ag		
Insulation strip length	7 mm			7 mm		
Contact resistance	≤ 3 mΩ			≤ 3 mΩ		
Mating cycles	500			500		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	–			–		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range						
	-40 – +120 °C			-40 – +120 °C		
Dimensions						
Accessories						
Screwdriver	blade "A" 0.6 x 3.5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5	DIN 5264 A 0,6 x 3,5	06.502.4000.0
			Housings for size 32 begin on page 1262			
			Housings for size 48 begin on page 1264			

revos

500 V contact inserts, double spring clamp connection

revos BASIC



6 pole + ground Size 6H

Approvals: US

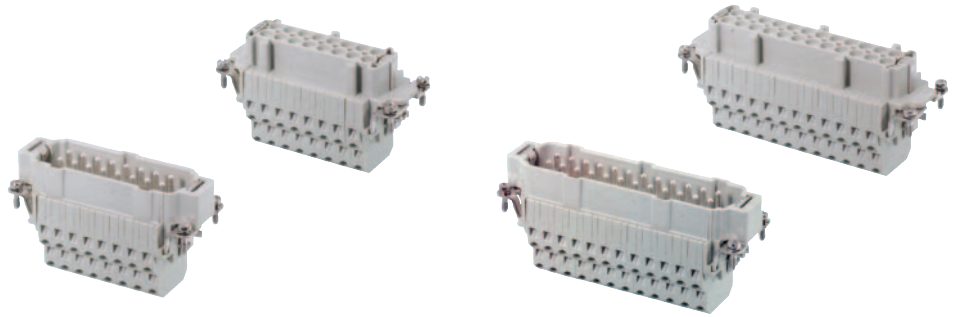
10 pole + ground Size 10H

Approvals: US

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack	
Contact inserts for revos BASIC 500 V							
Male insert	BAS STM 06 2,5 50 AG	70.512.0653.0	1	BAS STM 10 2,5 50 AG	70.512.1053.0	1	
Female insert	BAS BUM 06 2,5 50 AG	70.502.0653.0	1	BAS BUM 10 2,5 50 AG	70.502.1053.0	1	
Derating curves	See page 1343			See page 1343			
Technical data							
Rated voltage	500 V			500 V			
Rated voltage according to UL/CSA	600 V			600 V			
Rated impulse voltage	6 kV			6 kV			
Rated current	16 A			16 A			
Degree of pollution	3			3			
Rated cross section							
EN 60999	0.14 – 2.5 mm ²			0.14 – 2.5 mm ²			
UL	26-14 AWG			26-14 AWG			
CSA	26-14 AWG			26-14 AWG			
Contacts							
Material	Copper alloy			Copper alloy			
Surface	Ag			Ag			
Insulation strip length	9 – 11 mm			9 – 11 mm			
Contact resistance	≤ 3 mΩ			≤ 3 mΩ			
Mating cycles	500			500			
Screws	head design / recomm. torque						
Mounting screws	H1/0,5 – 0,7 Nm			H1/0,5 – 0,7 Nm			
Clamping screws	-			-			
Ground conductor screws	H2/1,2 – 1,6 Nm			H2/1,2 – 1,6 Nm			
Temperature range	-40 – +120 °C			-40 – +120 °C			
Dimensions							
Accessories	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack	
Screwdriver	blade "A" 0,6 x 3,5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5
Housings for size 6H begin on page 1160				Housings for size 10H begin on page 1172			

500 V contact inserts, double spring clamp connection

revos



16 pole + ground Size 16H

Approvals: US

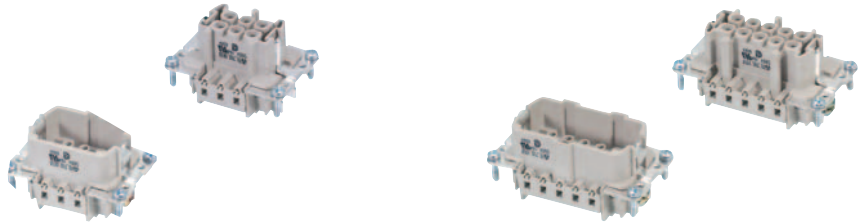
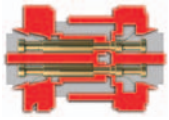
24 pole + ground Size 24H

Approvals: US

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack		
Contact inserts for revos BASIC 500 V								
Male insert	BAS STM	16 2,5 50 AG	70.512.1653.0	1	BAS STM	24 2,5 50 AG	70.512.2453.0	1
Female insert	BAS BUM	16 2,5 50 AG	70.502.1653.0	1	BAS BUM	24 2,5 50 AG	70.502.2453.0	1
Derating curves	See page 1343			See page 1343				
Technical data								
Rated voltage	500 V			500 V				
Rated voltage according to UL/CSA	600 V			600 V				
Rated impulse voltage	6 kV			6 kV				
Rated current	16 A			16 A				
Degree of pollution	3			3				
Rated cross section	EN 60999			0.14 – 2.5 mm ²				
	UL			26-14 AWG				
	CSA			26-14 AWG				
Contacts								
Material	Copper alloy			Copper alloy				
Surface	Ag			Ag				
Insulation strip length	9 – 11 mm			9 – 11 mm				
Contact resistance	≤ 3 mΩ			≤ 3 mΩ				
Mating cycles	500			500				
Screws head design / recomm. torque								
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm				
Clamping screws	–			–				
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm				
Temperature range	-40 – +120 °C			-40 – +120 °C				
Dimensions								
Accessories								
Screwdriver	blade "A" 0,6 x 3,5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5	
Housings for size 16H begin on page 1200				Housings for size 24H begin on page 1232				

500 V contact inserts, crimp connection

revos BASIC



6 pole + ground Size 6

Approvals:

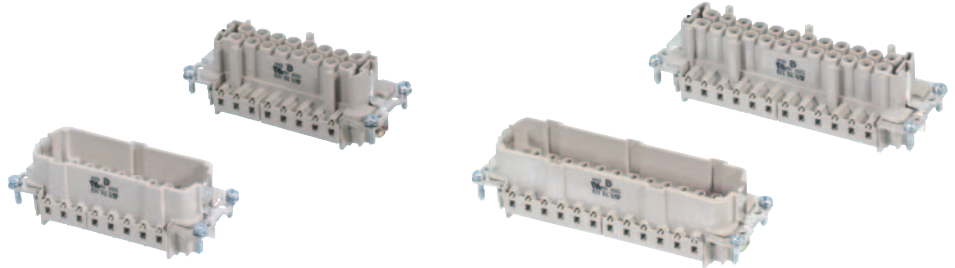
10 pole + ground Size 10

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 500 V						
Male insert	BAS STC 6 50	70.710.0658.0	10	BAS STC 10 50	70.710.1058.0	10
Female insert	BAS BUC 6 50	70.700.0658.0	10	BAS BUC 10 50	70.700.1058.0	10
Contacts	See page 1059			See page 1059		
Derating curves	See page 1343			See page 1343		
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn, Ag, Au			Sn, Ag, Au		
Insulation strip length	7 mm			7 mm		
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ		
Mating cycles	Sn 200/Ag, Au 500			Sn 200/Ag, Au 500		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	-			-		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
Accessories	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Crimping tool		95.101.0800.0	1		95.101.0800.0	1
Crimping die "B"	"B"	05.502.2100.0	1	"B"	05.502.2100.0	1
Contact positioner "3"	Contact positioner 3	05.502.3300.0	1	Contact positioner 3	05.502.3300.0	1
Extraction tool		05.502.3500.0	1		05.502.3500.0	1
	Housings for size 6 begin on page 1158			Housings for size 10 begin on page 1170		

500 V contact inserts, crimp connection

revos



16 pole + ground Size 16

Approvals:

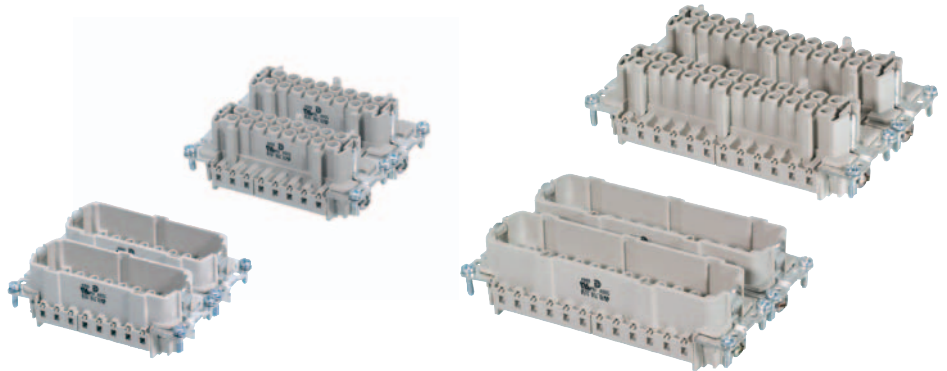
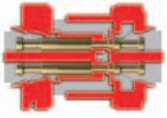
24 pole + ground Size 24

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 500 V						
Male insert	BAS STC 16 50	70.710.1658.0	10	BAS STC 24 50	70.710.2458.0	10
Female insert	BAS BUC 16 50	70.700.1658.0	10	BAS BUC 24 50	70.700.2458.0	10
Contacts	See page 1059			See page 1059		
Derating curves	See page 1343			See page 1343		
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn, Ag, Au			Sn, Ag, Au		
Insulation strip length	7 mm			7 mm		
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ		
Mating cycles	Sn 200/Ag, Au 500			Sn 200/Ag, Au 500		
Screws	head design / recomm. torque					
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	-			-		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
Accessories	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Crimping tool		95.101.0800.0	1		95.101.0800.0	1
Crimping die "B"	"B"	05.502.2100.0	1	"B"	05.502.2100.0	1
Contact positioner "3"	Contact positioner 3	05.502.3300.0	1	Contact positioner 3	05.502.3300.0	1
Extraction tool		05.502.3500.0	1		05.502.3500.0	1
Housings for size 16 begin on page 1198				Housings for size 24 begin on page 1230		

500 V contact inserts, crimp connection

revos BASIC



32 pole + ground Size 32

Approvals:

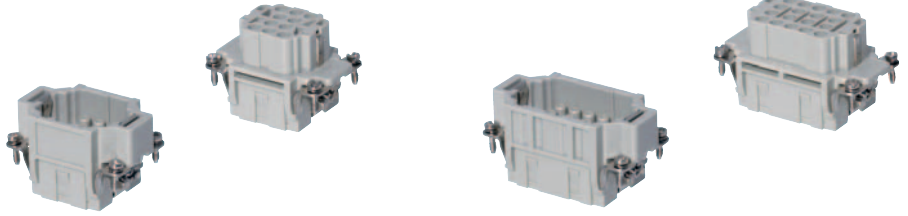
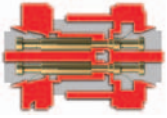
48 pole + ground Size 48

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 500 V						
Male insert, marked 1-16	BAS STC 32 50	70.710.3253.0	5			
Male insert, marked 17-32						
Female insert, marked 1-16	BAS BUC 32 50	70.700.3253.0	5			
Female insert, marked 17-32						
Male insert, marked 1-24				BAS STC 48 50	70.710.4858.0	5
Male insert, marked 25-48						
Female insert, marked 1-24				BAS BUC 48 50	70.700.4858.0	5
Female insert, marked 25-48						
Contacts	See page 1059			See page 1059		
Derating curves	See page 1343			See page 1343		
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn, Ag, Au			Sn, Ag, Au		
Insulation strip length	7 mm			7 mm		
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ		
Mating cycles	Sn 200/Ag, Au 500			Sn 200/Ag, Au 500		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	-			-		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
Accessories						
Crimping tool	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Crimping die "B"	"B"	95.101.0800.0	1	"B"	95.101.0800.0	1
Contact positioner "3"	Contact positioner 3	05.502.2100.0	1	Contact positioner 3	05.502.2100.0	1
Extraction tool		05.502.3300.0	1		05.502.3300.0	1
		05.502.3500.0	1		05.502.3500.0	1
Housings for size 32 begin on page 1262				Housings for size 48 begin on page 1264		

500 V contact inserts with crimp connection

revos BASIC EE



10 pole + ground Size 6/6H

Approvals: , in preparation

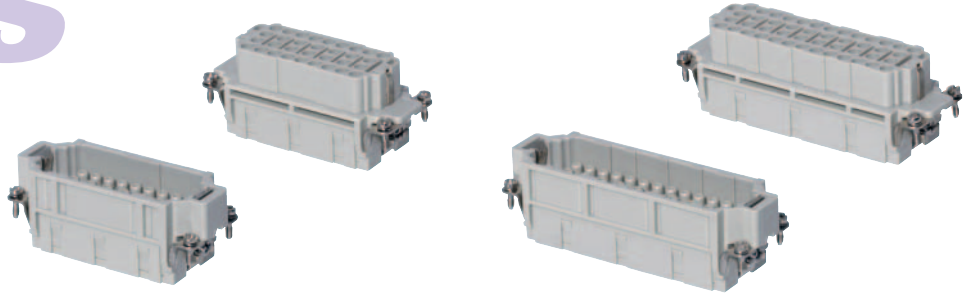
18 pole + ground Size 10/10H

Approvals: , in preparation

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC EE 500 V						
Male insert	BAS BUCK 10 50	70.800.1053.0	1	BAS BUCK 18 50	70.800.1853.0	1
Female insert	BAS STCK 10 50	70.810.1053.0	1	BAS STCK 18 50	70.810.1853.0	1
Contacts	See page 1059			See page 1059		
Derating curves	See page 1344			See page 1344		
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn, Ag, Au			Sn, Ag, Au		
Insulation strip length	7 mm			7 mm		
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ		
Mating cycles	Sn 200/Ag, Au 500			Sn 200/Ag, Au 500		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	-			-		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
Accessories	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Crimping tool		95.101.0800.0	1		95.101.0800.0	1
Crimping die "B"	"B"	05.502.2100.0	1	"B"	05.502.2100.0	1
Contact positioner "3"	Contact positioner 3	05.502.3300.0	1	Contact positioner 3	05.502.3300.0	1
Extraction tool		05.502.3500.0	1		05.502.3500.0	1
	Housings for size 6/6H begin on page 1158			Housings for size 10/10H begin on page 1170		

500 V contact inserts with crimp connection

revos



32 pole + ground Size 16/16H

Approvals: , in preparation

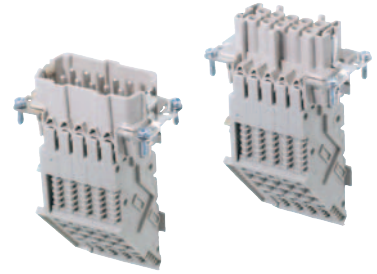
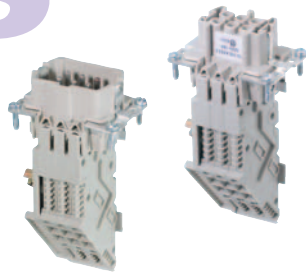
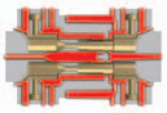
46 pole + ground Size 24/24H

Approvals: , in preparation

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASICEE 500 V						
Male insert	BAS BUCK 32 50	70.800.3253.0	1	BAS BUCK 46 50	70.800.4653.0	1
Female insert	BAS STCK 32 50	70.810.3253.0	1	BAS STCK 46 50	70.810.4653.0	1
Contacts						
	See page 1059			See page 1059		
Derating curves						
	See page 1344			See page 1344		
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn, Ag, Au			Sn, Ag, Au		
Insulation strip length	7 mm			7 mm		
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ		
Mating cycles	Sn 200/Ag, Au 500			Sn 200/Ag, Au 500		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	-			-		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
Accessories						
	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Crimping tool		95.101.0800.0	1		95.101.0800.0	1
Crimping die "B"	"B"	05.502.2100.0	1	"B"	05.502.2100.0	1
Contact positioner "3"	Contact positioner 3	05.502.3300.0	1	Contact positioner 3	05.502.3300.0	1
Extraction tool		05.502.3500.0	1		05.502.3500.0	1
Housings for size 16/16H begin on page 1198				Housings for size 24/24H begin on page 1230		

500 V multipole adapter with screw connection

revos BASIC



6 pole + ground Size 6

Approvals:

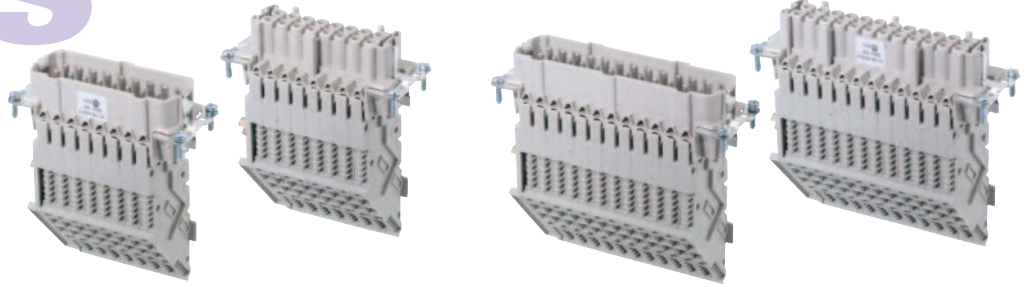
10 pole + ground Size 10

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection						
Long design (6 marking fields)						
Male insert, ground right	BAS SAS LR 6 4,0 50	70.115.0653.3	10	BAS SAS LR 10 4,0 50	70.115.1053.3	10
Female insert, ground right	BAS BAS LR 6 4,0 50	70.105.0653.3	10	BAS BAS LR 10 4,0 50	70.105.1053.3	10
Male insert, ground left	BAS SAS LL 6 4,0 50	70.110.0653.3	10	BAS SAS LL 10 4,0 50	70.110.1053.3	10
Female insert, ground left	BAS BAS LL 6 4,0 50	70.100.0653.3	10	BAS BAS LL 10 4,0 50	70.100.1053.3	10
Short design (4 marking fields)						
Male insert, ground right	BAS SAS KR 6 4,0 50	70.115.0653.4	10	BAS SAS KR 10 4,0 50	70.115.1053.4	10
Female insert, ground right	BAS BAS KR 6 4,0 50	70.105.0653.4	10	BAS BAS KR 10 4,0 50	70.105.1053.4	10
Male insert, ground left	BAS SAS KL 6 4,0 50	70.110.0653.4	10	BAS SAS KL 10 4,0 50	70.110.1053.4	10
Female insert, ground left	BAS BAS KL 6 4,0 50	70.100.0653.4	10	BAS BAS KL 10 4,0 50	70.100.1053.4	10
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Sn		
Insulation strip length	12 mm			12 mm		
Contact resistance	≤ 3 mΩ			≤ 3 mΩ		
Mating cycles	200			200		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
	Housings for size 6 begin on page 1168			Housings for size 10 begin on page 1184		

500 V multipole adapter with screw connection

revos



16 pole + ground Size 16

Approvals:

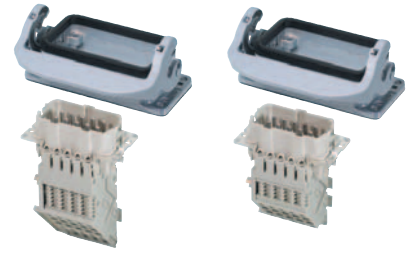
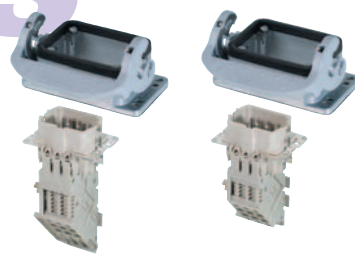
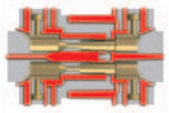
24 pole + ground Size 24

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection						
Long design (6 marking fields)						
Male insert, ground right	BAS SAS LR 16 4,0 50	70.115.1653.3	10	BAS SAS LR 24 4,0 50	70.115.2453.3	10
Female insert, ground right	BAS BAS LR 16 4,0 50	70.105.1653.3	10	BAS BAS LR 24 4,0 50	70.105.2453.3	10
Male insert, ground left	BAS SAS LL 16 4,0 50	70.110.1653.3	10	BAS SAS LL 24 4,0 50	70.110.2453.3	10
Female insert, ground left	BAS BAS LL 16 4,0 50	70.100.1653.3	10	BAS BAS LL 24 4,0 50	70.100.2453.3	10
Short design (4 marking fields)						
Male insert, ground right	BAS SAS KR 16 4,0 50	70.115.1653.4	10	BAS SAS KR 24 4,0 50	70.115.2453.4	10
Female insert, ground right	BAS BAS KR 16 4,0 50	70.105.1653.4	10	BAS BAS KR 24 4,0 50	70.105.2453.4	10
Male insert, ground left	BAS SAS KL 16 4,0 50	70.110.1653.4	10	BAS SAS KL 24 4,0 50	70.110.2453.4	10
Female insert, ground left	BAS BAS KL 16 4,0 50	70.100.1653.4	10	BAS BAS KL 24 4,0 50	70.100.2453.4	10
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Sn		
Insulation strip length	12 mm			12 mm		
Contact resistance	≤ 3 mΩ			≤ 3 mΩ		
Mating cycles	200			200		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
Housings for size 16 begin on page 1202				Housings for size 24 begin on page 1234		

Sets of 2 components with screw connection 500 V multipole adapter, single locking lever and base

revos BASIC



These multipole adapters can be mounted inside the control cabinet. Please use the version B coding accessory. Coding accessories can be found on page 1310.

6 pole + ground Size 6

Approvals:

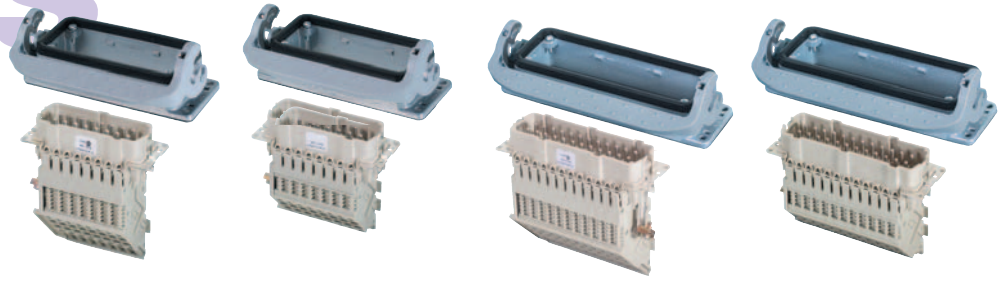
10 pole + ground Size 10

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection + base with single locking lever						
Long design (6 marking fields)						
Male insert, ground right	BAS GAESHRS 6 4,0 50	70.955.0653.3	10	BAS GAESHRS 10 4,0 50	71.955.1053.3	10
Female insert, ground right	BAS GAESHRB 6 4,0 50	70.945.0653.3	10	BAS GAESHRB 10 4,0 50	71.945.1053.3	10
Male insert, ground left	BAS GAESHLS 6 4,0 50	70.950.0653.3	10	BAS GAESHLS 10 4,0 50	71.950.1053.3	10
Female insert, ground left	BAS GAESHLB 6 4,0 50	70.940.0653.3	10	BAS GAESHLB 10 4,0 50	71.940.1053.3	10
Short design (4 marking fields)						
Male insert, ground right	BAS GAENRS 6 4,0 50	70.955.0653.4	10	BAS GAENRS 10 4,0 50	71.955.1053.4	10
Female insert, ground right	BAS GAENRB 6 4,0 50	70.945.0653.4	10	BAS GAENRB 10 4,0 50	71.945.1053.4	10
Male insert, ground left	BAS GAENLS 6 4,0 50	70.950.0653.4	10	BAS GAENLS 10 4,0 50	71.950.1053.4	10
Female insert, ground left	BAS GAENLB 6 4,0 50	70.940.0653.4	10	BAS GAENLB 10 4,0 50	71.940.1053.4	10
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Sn		
Insulation strip length	12 mm			12 mm		
Contact resistance	≤ 3 mΩ			≤ 3 mΩ		
Mating cycles	200			200		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						

Sets of 2 components with screw connection 500 V multipole adapter, single locking lever and base

revos



These multipole adapters can be mounted inside the control cabinet. Please use the version B coding accessory. Coding accessories can be found on page 1310.

16 pole + ground Size 16

Approvals:

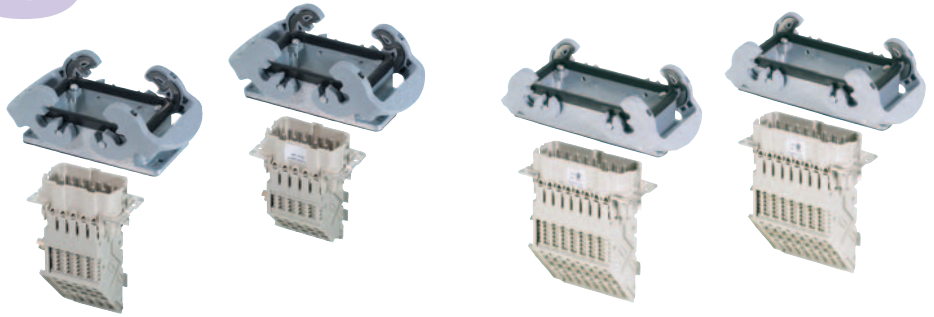
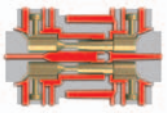
24 pole + ground Size 24

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection + base with single locking lever						
Long design (6 marking fields)						
Male insert, ground right	BAS GAESHRS 16 4,0 50	71.955.1653.3	10	BAS GAESHRS 24 4,0 50	71.955.2453.3	10
Female insert, ground right	BAS GAESHRB 16 4,0 50	71.945.1653.3	10	BAS GAESHRB 24 4,0 50	71.945.2453.3	10
Male insert, ground left	BAS GAESHLS 16 4,0 50	71.950.1653.3	10	BAS GAESHLS 24 4,0 50	71.950.2453.3	10
Female insert, ground left	BAS GAESHLB 16 4,0 50	71.940.1653.3	10	BAS GAESHLB 24 4,0 50	71.940.2453.3	10
Short design (4 marking fields)						
Male insert, ground right	BAS GAENRS 16 4,0 50	71.955.1653.4	10	BAS GAENRS 24 4,0 50	71.955.2453.4	10
Female insert, ground right	BAS GAENRB 16 4,0 50	71.945.1653.4	10	BAS GAENRB 24 4,0 50	71.945.2453.4	10
Male insert, ground left	BAS GAENLS 16 4,0 50	71.950.1653.4	10	BAS GAENLS 24 4,0 50	71.950.2453.4	10
Female insert, ground left	BAS GAENLB 16 4,0 50	71.940.1653.4	10	BAS GAENLB 24 4,0 50	71.940.2453.4	10
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Sn		
Insulation strip length	12 mm			12 mm		
Contact resistance	≤ 3 mΩ			≤ 3 mΩ		
Mating cycles	200			200		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						

Sets of 2 components with screw connection 500 V multipole adapter, single locking lever and base

revos BASIC



These multipole adapters can be mounted inside the control cabinet. Please use the version B coding accessory. Coding accessories can be found on page 1310.

10 pole + ground Size 10

Approvals:

16 pole + ground Size 16

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection + base with double locking lever						
Long design (6 marking fields)						
Male insert, ground right	BAS GAZSHRS 10 4,0 50	70.955.1053.3	10	BAS GAZSHRS 16 4,0 50	70.955.1653.3	10
Female insert, ground right	BAS GAZSHRB 10 4,0 50	70.945.1053.3	10	BAS GAZSHRB 16 4,0 50	70.945.1653.3	10
Male insert, ground left	BAS GAZSHLS 10 4,0 50	70.950.1053.3	10	BAS GAZSHLS 16 4,0 50	70.950.1653.3	10
Female insert, ground left	BAS GAZSHLB 10 4,0 50	70.940.1053.3	10	BAS GAZSHLB 16 4,0 50	70.940.1653.3	10
Short design (4 marking fields)						
Male insert, ground right	BAS GAZSNRS 10 4,0 50	70.955.1053.4	10	BAS GAZSNRS 16 4,0 50	70.955.1653.4	10
Female insert, ground right	BAS GAZSNRB 10 4,0 50	70.945.1053.4	10	BAS GAZSNRB 16 4,0 50	70.945.1653.4	10
Male insert, ground left	BAS GAZSNLS 10 4,0 50	70.950.1053.4	10	BAS GAZSNLS 16 4,0 50	70.950.1653.4	10
Female insert, ground left	BAS GAZSNLB 10 4,0 50	70.940.1053.4	10	BAS GAZSNLB 16 4,0 50	70.940.1653.4	10
Technical data						
Rated voltage		500 V			500 V	
Rated voltage according to UL/CSA		600 V			600 V	
Rated impulse voltage		6 kV			6 kV	
Rated current		16 A			16 A	
Degree of pollution		3			3	
Rated cross section						
EN 60999		0.5 – 4 mm ²			0.5 – 4 mm ²	
UL		20-12 AWG			20-12 AWG	
CSA		20-12 AWG			20-12 AWG	
Contacts						
Material		Copper alloy			Copper alloy	
Surface		Sn			Sn	
Insulation strip length		12 mm			12 mm	
Contact resistance		≤ 3 mΩ			≤ 3 mΩ	
Mating cycles		200			200	
Screws	head design / recomm. torque					
Mounting screws		H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm	
Clamping screws		M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm	
Ground conductor screws		H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm	
Temperature range		-40 – +120 °C			-40 – +120 °C	
Dimensions						

Sets of 2 components with screw connection 500 V multipole adapter, single locking lever and base

revos



These multipole adapters can be mounted inside the control cabinet. Please use the version B coding accessory. Coding accessories can be found on page 1310.

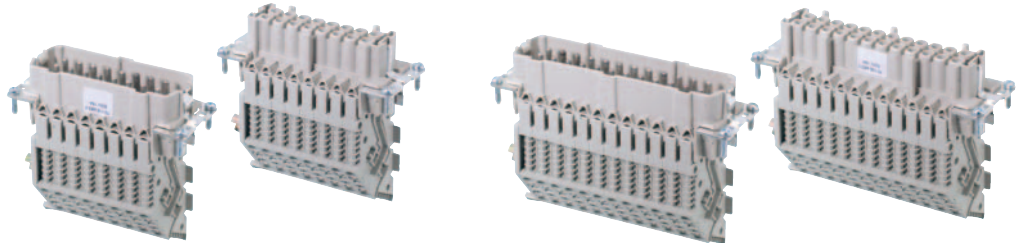
24 pole + ground Size 24

Approvals:

Description	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection + base with double locking lever			
Long design (6 marking fields)			
Male insert, ground right	BAS GAZSHRS 24 4,0 50	70.955.2453.3	10
Female insert, ground right	BAS GAZSHRB 24 4,0 50	70.945.2453.3	10
Male insert, ground left	BAS GAZSHLS 24 4,0 50	70.950.2453.3	10
Female insert, ground left	BAS GAZSHLB 24 4,0 50	70.940.2453.3	10
Short design (4 marking fields)			
Male insert, ground right	BAS GAZSNRS 24 4,0 50	70.955.2453.4	10
Female insert, ground right	BAS GAZSNRB 24 4,0 50	70.945.2453.4	10
Male insert, ground left	BAS GAZSNLS 24 4,0 50	70.950.2453.4	10
Female insert, ground left	BAS GAZSNLB 24 4,0 50	70.940.2453.4	10
Technical data			
Rated voltage		500 V	
Rated voltage according to UL/CSA		600 V	
Rated impulse voltage		6 kV	
Rated current		16 A	
Degree of pollution		3	
Rated cross section			
EN 60999		0.5 – 4 mm ²	
UL		20-12 AWG	
CSA		20-12 AWG	
Contacts			
Material		Copper alloy	
Surface		Sn	
Insulation strip length		12 mm	
Contact resistance		≤ 3 mΩ	
Mating cycles		200	
Screws head design / recomm. torque			
Mounting screws		H1/0.5 – 0.7 Nm	
Clamping screws		M3/0.5 – 0.7 Nm	
Ground conductor screws		H2/1.2 – 1.6 Nm	
Temperature range		-40 – +120 °C	
Dimensions			

500 V multipole adapter with spring clamp connection

revos



16 pole + ground Size 16

Approvals:

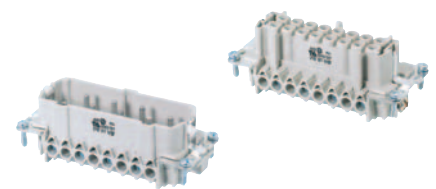
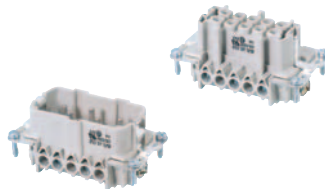
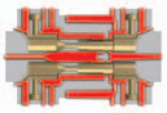
24 pole + ground Size 24

Approvals:

Description		Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection							
Short design (6 marking fields)							
Male insert, ground right		BAS SAF KR 16 2,5 50	70.116.1653.0	10	BAS SAF KR 24 2,5 50	70.116.2453.0	10
Female insert, ground right		BAS BAF KR 16 2,5 50	70.106.1653.0	10	BAS BAF KR 24 2,5 50	70.106.2453.0	10
Male insert, ground left		BAS SAF KL 16 2,5 50	70.111.1653.0	10	BAS SAF KL 24 2,5 50	70.111.2453.0	10
Female insert, ground left		BAS BAF KL 16 2,5 50	70.101.1653.0	10	BAS BAF KL 24 2,5 50	70.101.2453.0	10
Technical data							
Rated voltage		500 V			500 V		
Rated voltage according to UL/CSA		600 V			600 V		
Rated impulse voltage		6 kV			6 kV		
Rated current		16 A			16 A		
Degree of pollution		3			3		
Rated cross section							
EN 60999		0.5 – 2.5 mm ²			0.5 – 2.5 mm ²		
UL		20-12 AWG			20-12 AWG		
CSA		20-12 AWG			20-12 AWG		
Contacts							
Material		Copper alloy			Copper alloy		
Surface		Sn			Sn		
Insulation strip length		9 mm			9 mm		
Contact resistance		≤ 3 mΩ			≤ 3 mΩ		
Mating cycles		200			200		
Screws	head design / recomb. torque						
Mounting screws		H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws		-			-		
Ground conductor screws		H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range		-40 – +120 °C			-40 – +120 °C		
Dimensions							
Accessories							
	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack	
Screwdriver	blade "A" 0,6 x 3,5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5	DIN 5264 A 0,6 x 3,5	06.502.4000.0	5
Housings for size 16 begin on page 1202				Housings for size 24 begin on page 1234			

690/400 V contact inserts, screw connection

revos BASIC



3 pole + 2 switching contacts + ground Size 10

Approvals:

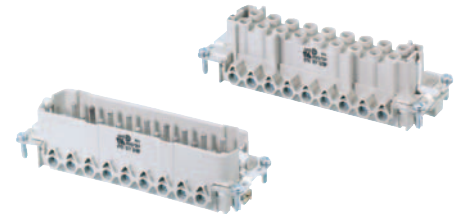
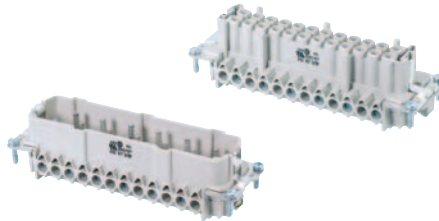
6 pole + 2 switching contacts + ground Size 16

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 690 / 400 V						
Male insert	BAS STS 3 2,5 64	70.410.0340.0	10	BAS STS 6 2,5 64	70.410.0640.0	10
Female insert	BAS BUS 3 2,5 64	70.400.0340.0	10	BAS BUS 6 2,5 64	70.400.0640.0	10
Derating curves						
See page 1343			See page 1343			
Technical data						
Rated voltage		L-L 690 V / L-PE 400 V		L-L 690 V / L-PE 400 V		
Rated voltage according to UL/CSA		600 V		600 V		
Rated impulse voltage		6 kV		6 kV		
Rated current		16 A		16 A		
Degree of pollution		3		3		
Rated cross section		0.5 – 2.5 mm ²		0.5 – 2.5 mm ²		
EN 60999		20-12 AWG		20-12 AWG		
UL		20-12 AWG		20-12 AWG		
CSA		20-12 AWG		20-12 AWG		
Contacts						
Material		Copper alloy		Copper alloy		
Surface		Sn		Sn		
Insulation strip length		7		7		
Contact resistance		≤ 1.5 mΩ		≤ 1.5 mΩ		
Mating cycles		200		200		
Screws head design / recomm. torque						
Mounting screws		H1/0.5 – 0.7 Nm		H1/0.5 – 0.7 Nm		
Clamping screws		H1/0.5 – 0.7 Nm		H1/0.5 – 0.7 Nm		
Ground conductor screws		H2/1.2 – 1.6 Nm		H2/1.2 – 1.6 Nm		
Temperature range		-40 – +120 °C		-40 – +120 °C		
Dimensions						
X = shortened switching contacts						
Housings for size 10 begin on page 1188			Housings for size 16 begin on page 1220			

690/400 V contact inserts, screw connection

revos



10 pole + 2 switching contacts + ground Size 24

Approvals:

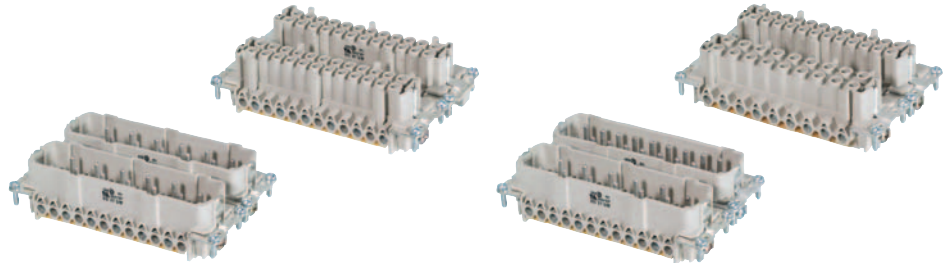
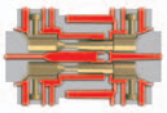
16 pole + 2 switching contacts + ground Size 24

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 690 / 400 V						
Male insert	BAS STS 10 2,5 64	70.410.1040.0	10	BAS STS 16 2,5 64	70.410.1640.0	10
Female insert	BAS BUS 10 2,5 64	70.400.1040.0	10	BAS BUS 16 2,5 64	70.400.1640.0	10
Derating curves	See page 1343			See page 1343		
Technical data						
Rated voltage	L-L 690 V / L-PE 400 V			L-L 690 V / L-PE 400 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 2.5 mm ²			0.5 – 2.5 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Sn		
Insulation strip length	7			7		
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ		
Mating cycles	200			200		
Screws head design / recomb. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
X = shortened switching contacts						
	Housings for size 24 begin on page 1252			Housings for size 24 begin on page 1252		

690/400 V contact inserts, screw connection

revos BASIC



20 pole + 2 switching contacts + ground Size 48

Approvals:

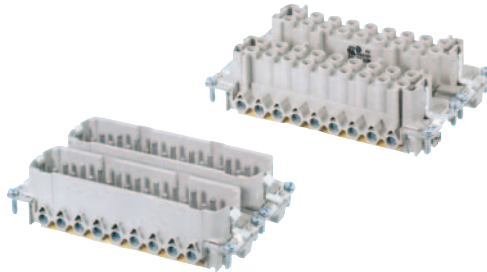
26 pole + 2 switching contacts + ground Size 48

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 690/400 V						
Male insert	BAS STS 20 2,5 64	70.410.2040.0	5	BAS STS 26 2,5 64	70.410.2640.0	5
Female insert	BAS BUS 20 2,5 64	70.400.2040.0	5	BAS BUS 26 2,5 64	70.400.2640.0	5
Derating curves						
See page 1343						
Technical data						
Rated voltage						
L-L 690 V / L-PE 400 V						
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 2.5 mm ²			0.5 – 2.5 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Sn		
Insulation strip length	7			7		
Contact resistance	≤ 1.5 mΩ			≤ 1.5 mΩ		
Mating cycles	200			200		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range						
-40 – +120 °C						
Dimensions						
X = shortened switching contacts						
Housings for size 48 begin on page 1264				Housings for size 48 begin on page 1264		

690/400 V contact inserts, screw connection

revos



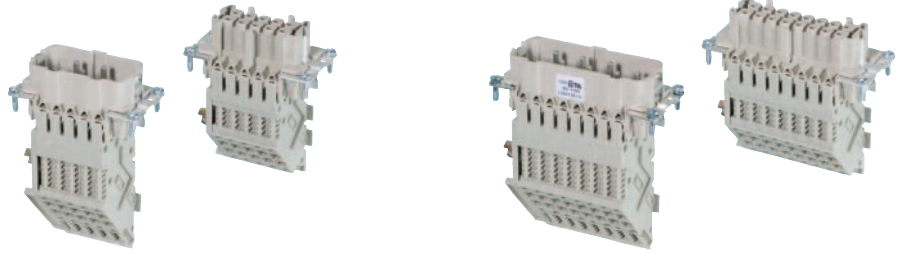
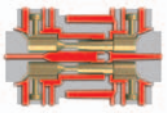
32 pole + 2 switching contacts + ground
Size 48

Approvals:

Description	Type	Part No.	Std. Pack
Contact inserts for revos BASIC 690/400 V			
Male insert	BAS STS 32 2,5 64	70.410.3240.0	5
Female insert	BAS BUS 32 2,5 64	70.400.3240.0	5
Derating curves			
See page 1343			
Technical data			
Rated voltage			
L-L 690 V / L-PE 400 V			
Rated voltage according to UL/CSA			
600 V			
Rated impulse voltage			
6 kV			
Rated current			
16 A			
Degree of pollution			
3			
Rated cross section			
EN 60999			
0,5 – 2,5 mm ²			
UL			
20-12 AWG			
CSA			
20-12 AWG			
Contacts			
Material			
Copper alloy			
Surface			
Sn			
Insulation strip length			
7			
Contact resistance			
≤ 1,5 mΩ			
Mating cycles			
200			
Screws head design / recomm. torque			
Mounting screws			
H1/0,5 – 0,7 Nm			
Clamping screws			
H1/0,5 – 0,7 Nm			
Ground conductor screws			
H2/1,2 – 1,6 Nm			
Temperature range			
-40 – +120 °C			
Dimensions			
X = shortened switching contacts			
Housings for size 48 begin on page 1264			

500 V multipole adapter with screw connection for the 690 / 400 V series

revos BASIC



The multipole adapters of this series are compatible with the contact inserts of the 690/400 V series. The contact inserts can be found on page 1070. When a multipole adapter is used, the rated voltage of the connection is reduced to 500 V.

3 pole + 2 switching contacts + ground Size 10

Approvals:

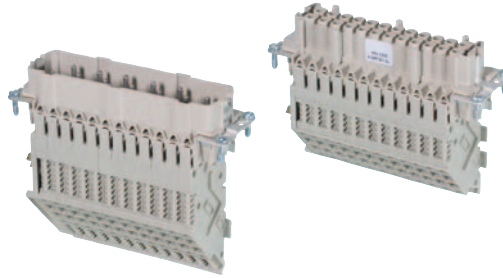
6 pole + 2 switching contacts + ground Size 16

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection						
Long design (6 marking fields)						
Male insert, ground right	BAS SAS LR 3 4,0 64	70.135.0353.3	10	BAS SAS LR 6 4,0 64	70.135.0653.3	10
Female insert, ground right	BAS BAS LR 3 4,0 64	70.125.0353.3	10	BAS BAS LR 6 4,0 64	70.125.0653.3	10
Male insert, ground left	BAS SAS LL 3 4,0 64	70.130.0353.3	10	BAS SAS LL 6 4,0 64	70.130.0653.3	10
Female insert, ground left	BAS BAS LL 3 4,0 64	70.120.0353.3	10	BAS BAS LL 6 4,0 64	70.120.0653.3	10
Short design (4 marking fields)						
Male insert, ground right	BAS SAS KR 3 4,0 64	70.135.0353.4	10	BAS SAS KR 6 4,0 64	70.135.0653.4	10
Female insert, ground right	BAS BAS KR 3 4,0 64	70.125.0353.4	10	BAS BAS KR 6 4,0 64	70.125.0653.4	10
Male insert, ground left	BAS SAS KL 3 4,0 64	70.130.0353.4	10	BAS SAS KL 6 4,0 64	70.130.0653.4	10
Female insert, ground left	BAS BAS KL 3 4,0 64	70.120.0353.4	10	BAS BAS KL 6 4,0 64	70.120.0653.4	10
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 4 mm ²			0.5 – 4 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Sn		
Insulation strip length	12 mm			12 mm		
Contact resistance	≤ 3 mΩ			≤ 3 mΩ		
Mating cycles	200			200		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	M3/0.5 – 0.7 Nm			M3/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						
Housings for size 10 begin on page 1190				Housings for size 16 begin on page 1222		

500 V multipole adapter with screw connection for the 690 / 400 V series

revos



The multipole adapters of this series are compatible with the contact inserts of the 690/400 V series. The contact inserts can be found on page 1071. When a multipole adapter is used, the rated voltage of the connection is reduced to 500 V.

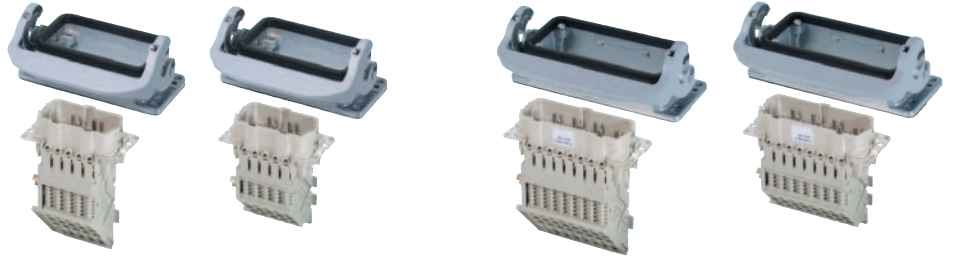
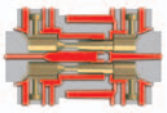
10 pole + 2 switching contacts + ground Size 24

Approvals:

Description	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection			
Long design (6 marking fields)			
Male insert, ground right	BAS SAS LR 10 4,0 64	70.135.1053.3	10
Female insert, ground right	BAS BAS LR 10 4,0 64	70.125.1053.3	10
Male insert, ground left	BAS SAS LL 10 4,0 64	70.130.1053.3	10
Female insert, ground left	BAS BAS LL 10 4,0 64	70.120.1053.3	10
Short design (4 marking fields)			
Male insert, ground right	BAS SAS KR 10 4,0 64	70.135.1053.4	10
Female insert, ground right	BAS BAS KR 10 4,0 64	70.125.1053.4	10
Male insert, ground left	BAS SAS KL 10 4,0 64	70.130.1053.4	10
Female insert, ground left	BAS BAS KL 10 4,0 64	70.120.1053.4	10
Technical data			
Rated voltage		500 V	
Rated voltage according to UL/CSA		600 V	
Rated impulse voltage		6 kV	
Rated current		16 A	
Degree of pollution		3	
Rated cross section			
EN 60999		0.5 – 4 mm ²	
UL		20-12 AWG	
CSA		20-12 AWG	
Contacts			
Material		Copper alloy	
Surface		Sn	
Insulation strip length		12 mm	
Contact resistance		≤ 3 mΩ	
Mating cycles		200	
Screws	head design / recomb. torque		
Mounting screws		H1/0.5 – 0.7 Nm	
Clamping screws		M3/0.5 – 0.7 Nm	
Ground conductor screws		H2/1.2 – 1.6 Nm	
Temperature range		-40 – +120 °C	
Dimensions			
Housings for size 24 begin on page 1254			

Sets with 2 components for the 690 / 400 V series with screw connection 500 V multipole adapter, single locking lever and base

revos BASIC



The multipole adapters of this series are compatible with the contact inserts of the 690/400 V series. The contact inserts can be found on page 1070. When a multipole adapter is used, the rated voltage of the connection is reduced to 500 V.

3 pole + 2 switching contacts + ground Size 10

Approvals:

6 pole + 2 switching contacts + ground Size 16

Approvals:

Description	Type	Part No.	Std. Pack	Type	Part No.	Std. Pack
revos BASIC multipole adapter with screw connection						
+ base with single locking lever						
Long design (6 marking fields)						
Male insert, ground right	BAS GAESHRS 3 4,0 64	available on request		BAS GAESHRS 6 4,0 64	71.975.0653.3	10
Female insert, ground right	BAS GAESHRB 3 4,0 64	71.965.0353.3	10	BAS GAESHRB 6 4,0 64	available on request	
Male insert, ground left	BAS GAESHLS 3 4,0 64	available on request		BAS GAESHLS 6 4,0 64	71.970.0653.3	10
Female insert, ground left	BAS GAESHLB 3 4,0 64	71.960.0353.3	10	BAS GAESHLB 6 4,0 64	71.960.0653.3	10
Short design (4 marking fields)						
Male insert, ground right	BAS GAENRS 3 4,0 64	71.975.0353.4	10	BAS GAENRS 6 4,0 64	71.975.0653.4	10
Female insert, ground right	BAS GAENRB 3 4,0 64	71.965.0353.4	10	BAS GAENRB 6 4,0 64	71.965.0653.4	10
Male insert, ground left	BAS GAENLS 3 4,0 64	71.970.0353.4	10	BAS GAENLS 6 4,0 64	71.970.0653.4	10
Female insert, ground left	BAS GAENLB 3 4,0 64	71.960.0353.4	10	BAS GAENLB 6 4,0 64	71.960.0653.4	10
Technical data						
Rated voltage	500 V			500 V		
Rated voltage according to UL/CSA	600 V			600 V		
Rated impulse voltage	6 kV			6 kV		
Rated current	16 A			16 A		
Degree of pollution	3			3		
Rated cross section						
EN 60999	0.5 – 2.5 mm ²			0.5 – 2.5 mm ²		
UL	20-12 AWG			20-12 AWG		
CSA	20-12 AWG			20-12 AWG		
Contacts						
Material	Copper alloy			Copper alloy		
Surface	Sn			Sn		
Insulation strip length	9 mm			9 mm		
Contact resistance	≤ 3 mΩ			≤ 3 mΩ		
Mating cycles	200			200		
Screws head design / recomm. torque						
Mounting screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Clamping screws	H1/0.5 – 0.7 Nm			H1/0.5 – 0.7 Nm		
Ground conductor screws	H2/1.2 – 1.6 Nm			H2/1.2 – 1.6 Nm		
Temperature range	-40 – +120 °C			-40 – +120 °C		
Dimensions						

X = shortened switching contacts

