

Mounting frames for *revos* contact inserts



The mounting frames of the **revos** BASIC family are ideal for use in low-voltage switching systems. They are mounted directly to the 35x15 DIN rail according to DIN EN 50022 inside the control cabinet. Use of the DIN rail mounting frame on a 7.5 mm high DIN-rail 35 x 7.5 in accordance with DIN EN 50022 is only possible if the installation space behind it is free.

The system has the following advantages:

- Reduction of material and mounting costs
- Simple and trouble-free installation
- Wire harness assemblies possible
- Easy troubleshooting with hinged top that enables access to the back of the connector.
- Re-wiring is possible without disconnecting.

The robust contact inserts of the **revos** family in use worldwide are used for this purpose. The following contact inserts are available:

• **revos** BASIC
Size 6, 10, 16, 24

• **revos** POWER
Size 16, 24

• **revos** HD
40- and 64-pole

• **revos** FLEX
Size 6, 10, 16, 24

• **revos** BASIC EE
Size 6, 10, 16, 24

• **revos** DD
Size 6, 10, 16, 24

Mounting frames without contact inserts

Size 6



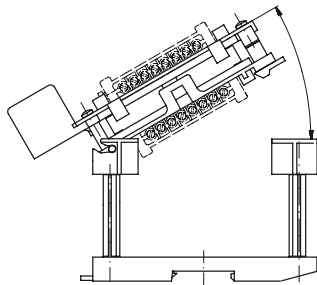
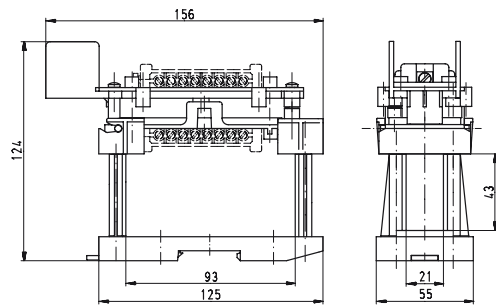
Description	Type	Part No.	P.U.
Mounting frame			
Size 6		Z5.574.0653.0	1
Size 10		Z5.574.1053.0	1
Size 16		Z5.574.1653.0	1
Size 24		Z5.574.2453.0	1
Size 2 x 6		Z5.574.1253.0	1
Technical data			
Installation	on TS 35x15 mounting rail		
Description	Type	Part No.	P.U.
Accessories			
Mounting frame with base plate and installation bolts for open-bottom bases Size 6/10/16		Z5.574.0053.0	1
Mounting frame with base plate and installation bolts for open-bottom bases Size 24		Z5.574.0153.0	1



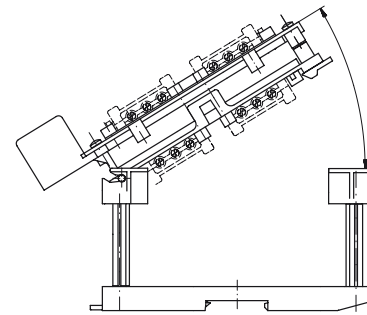
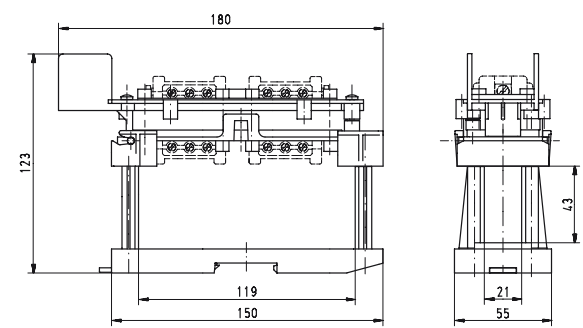
Dimensions

Mounting frame

Size 6



Size 2 x 6



revos cover plates

Cover plates



Description	Type	Part No.	P.U.
Cover plates			
Size 6	Cover plate 6	07.416.6853.0	10
Size 10	Cover plate 10	07.416.6953.0	10
Size 16	Cover plate 16	07.416.7053.0	10
Size 24	Cover plate 24	07.416.7153.0	10
Technical data			
Material	Polyamide		
Color	RAL 7032		
Degree of protection	IP65		
Flammability	UL94-V0		

revos Cover plates are used to cover the cut-outs in partitions of control cabinets.



revos reducer plate

Reducer plate



Description	Type	Part No.	P.U.
Reducer plate			
GB 24/GB 6	Reduction plate 24 to 6	07.416.6353.0	10
GB 24/GB 10	Reduction plate 24 to 10	07.416.6453.0	10
GB 24/GB 16	Reduction plate 24 to 16	07.416.6553.0	10

Technical data	
Material	Polyamide
Color	RAL 7032
Degree of protection	IP65
Flammability	UL94-V0

revos reducer plate adapt the cut-outs of size 24 to sizes 6, 10 or 16.



Coding of *revos* multipole connectors

Each family of contact inserts has its unique design. Mismatching of the different families' contact inserts is therefore impossible due to the design. However, if several connectors of the same size and family are mounted directly adjacent to one another, mismatching may occur during start-up of the machine or system.

In order to avoid mismatching we developed coding bolts, coding pins and female coding pieces that are to be assembled instead of the regular mounting screws of the contact inserts. Six different codings can be achieved when coding bolts are used.

Coding bolts of version A

Suitable for the following contact inserts / multipole adapters:

- **revos** BASIC
- **revos** POWER
- **revos** HD
- **revos** FLEX
- **revos** Ex

that are mounted to the housing at the **front**.

Suitable for:

- Screw termination inserts with part numbers:
70.2XX.XXXX.X
70.3XX.XXXX.X
70.4XX.XXXX.X
72.2XX.XXXX.X
72.3XX.XXXX.X
- Crimp termination inserts with part numbers:
70.7XX.XXXX.X
72.7XX.XXXX.X
73.7XX.XXXX.X
- Spring clamp termination inserts with part numbers:
70.5XX.XXXX.X
- Terminal block adapter inserts (mountable from the front) with part numbers:
70.7XX.XXXX.X
72.7XX.XXXX.X
73.7XX.XXXX.X

Coding options also exist for combinations of screw and crimp inserts and terminal block adapters.

Coding bolts of version B

Suitable for the following contact inserts / multipole adapters:

- **revos** BASIC
- **revos** POWER
- **revos** HD

that are mounted to the housing at the **rear**.

These are mainly multipole adapters that are mounted from the inside of the control cabinet.

Suitable for:

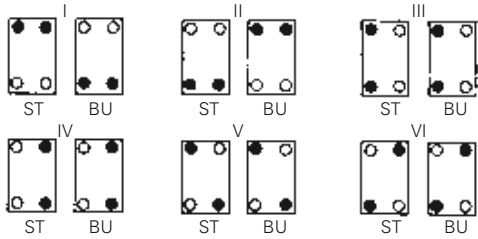
- Combination of screw, crimp, spring-type inserts and clamp adapters in connection with terminal block adapters (mountable from the back of the housing) with part numbers:
70.9XX.XXXX.X
72.9XX.XXXX.X
73.1XX.XXXX.X

Six coding options by means of locking pins

With the use of locking pins, there are a total of six combinations for 3, 6, 10, 16, 24-pin plug connectors

An additional six combinations are possible for the heavy duty connectors with two contact inserts (20, 26, 32 and 48-pin plug connectors).

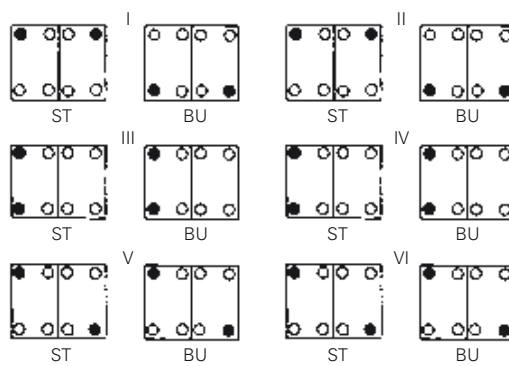
One contact insert

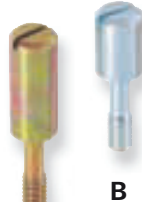


- Coding bolt
- Mounting screws

ST Male connector
BU Female connector

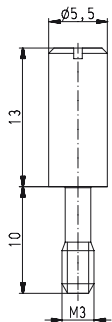
Two contact inserts



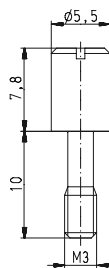
 A B	Description		Part No.	P.U.
	Coding bolt			
	Version A		05.592.0621.0	100
	Version B		05.513.4212.0	100
	Technical data			
	Material	zinc-plated steel		
Color	shiny metal			

Dimensions

Version A



Version B



Coding options for *revos* multipole connectors

72 coding options by means of coding pin,
coding key and coding socket

Part No. for Version A

Suitable for the following contact inserts/
multipole adapters:

revos BASIC, **revos** POWER, **revos** HD,

revos FLEX, **revos** Ex

that are mounted to the housing at the **front**.

Part No. for Version B

Suitable for the following contact inserts/
multipole adapters:

revos BASIC, **revos** POWER, **revos** HD

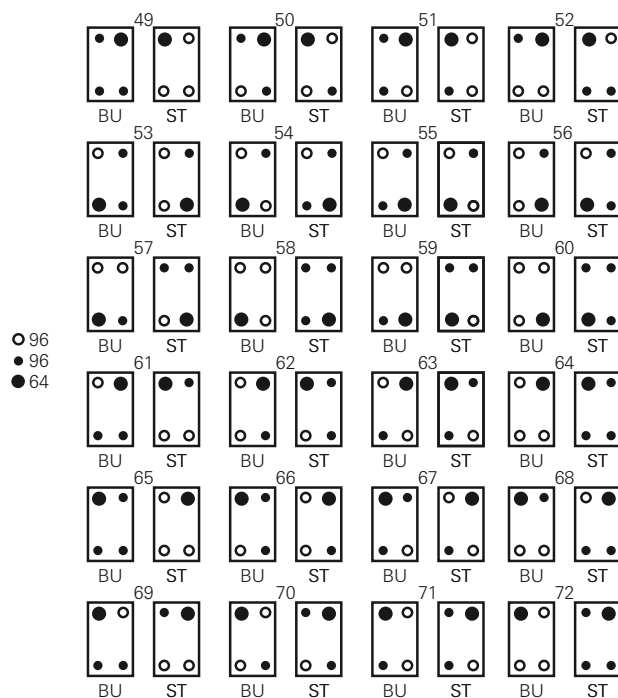
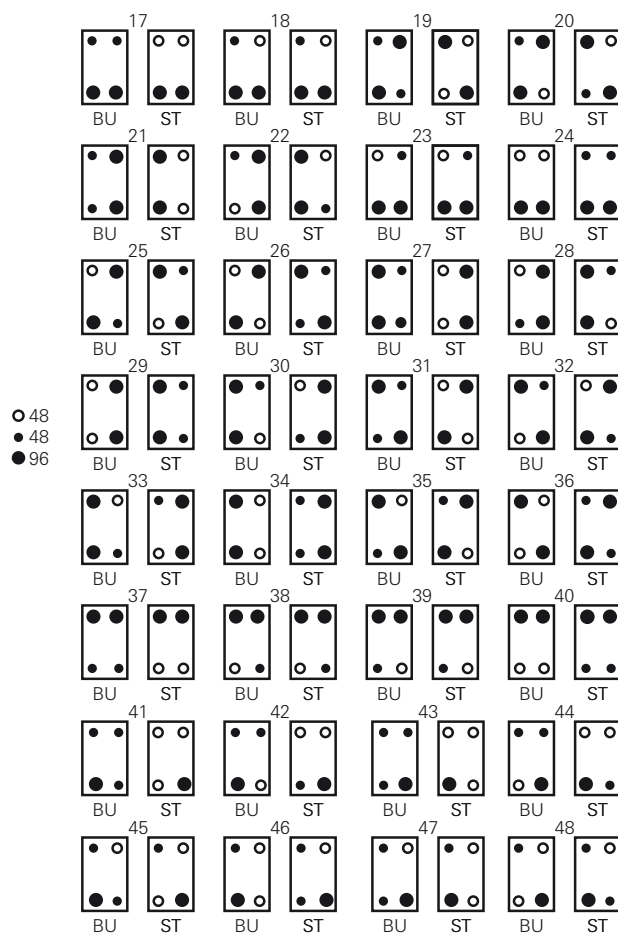
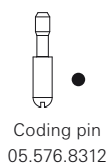
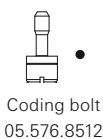
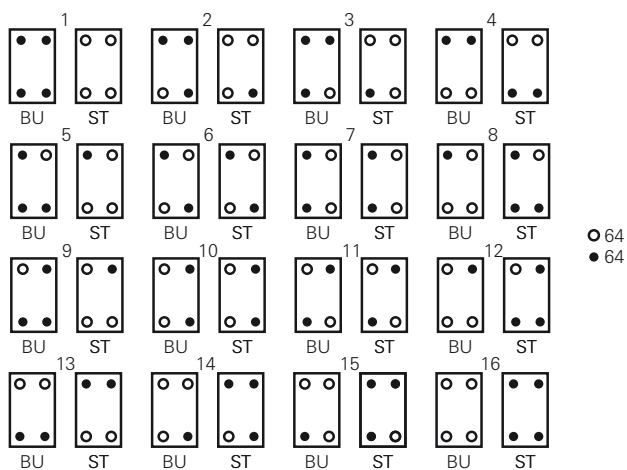
that are mounted to the housing at the **rear**.

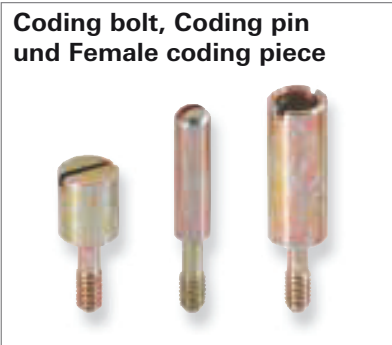
The use of coding pins and female coding pieces
enables 16 different coding options.

With an additional coding bolt up to 72 coding
options are possible.

All mounting screws must be replaced by the coding
components.

With 15- or 25-pin plug connectors of the series
73.7 ... 16 coding options result, because the coding
pin cannot be used here.

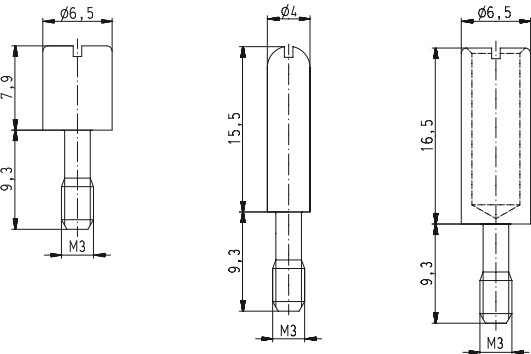




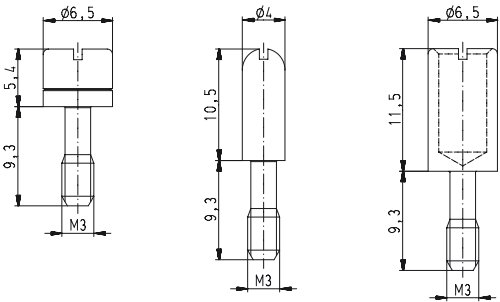
Description	Type	Part No.	P.U.
Version A			
Coding bolt		05.576.6912.0	50
Coding pin		05.576.6612.0	50
Female coding piece		05.576.6712.0	50
Version B			
Coding bolt		05.576.8512.0	50
Coding pin		05.576.8312.0	50
Female coding piece		05.576.8412.0	50
Technical data			
Material	zinc-plated steel		
Color	shiny metal		

Dimensions

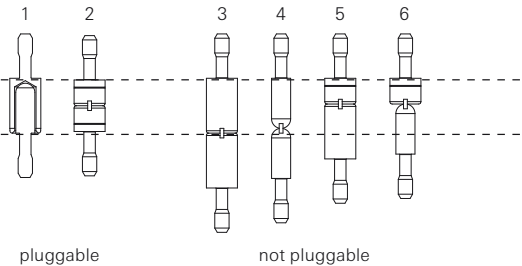
Version A



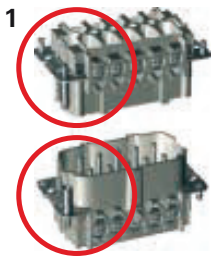
Version B



Coding plan:



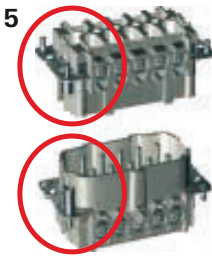
Example:



Coding between male
and female connector matching



Coding between the
coding bolts matching



Coding between the female connector
and the coding bolt not matching

Metric cable glands

Cable glands IP68, plastic

Description	Type			Part No.	P.U.
Cable glands plastic					
	Cable Ø [mm]	SW [mm]	l [mm]		
M20x1,5	6 – 12	24	9	Z5.507.1353.0	10
M25x1,5	7 – 16	28	11	Z5.507.1553.0	10
M32x1,5	10 – 21	36	11	Z5.507.1753.0	10
M40x1,5	16 – 28	46	11	Z5.507.1953.0	1
Technical data					
Material	Polyamide				
Color	RAL 7035				
Degree of protection	IP68				
Flammability	UL94-V0				

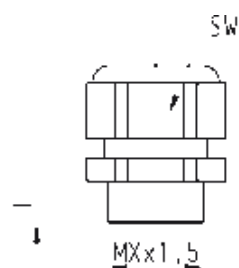
Cable glands IP68, metal

Description	Type			Part No.	P.U.
Cable glands metal					
	Cable Ø [mm]	SW [mm]	l [mm]		
M20x1,5	8 – 13	22	6	Z5.507.1321.0	10
M25x1,5	11 – 18	27	7	Z5.507.1521.0	10
M32x1,5	15 – 21	34	8	Z5.507.1721.0	10
M40x1,5	19 – 27	44	8	Z5.507.1921.0	1
Technical data					
Material	nickel-plated brass				
Color	-				
Degree of protection	IP68				
Flammability	-				

Cable glands EMC IP68, metal

Description	Type			Part No.	P.U.
Cable glands metal					
	Cable Ø [mm]	SW [mm]	l [mm]		
M20x1,5	8 – 13	22	6	Z5.507.4821.0	1
M25x1,5	11 – 18	30	7	Z5.507.5021.0	1
M32x1,5	15 – 21	34	8	Z5.507.5221.0	1
Technical data					
Material	nickel-plated brass				
Color	-				
Degree of protection	IP68				
Flammability	-				

Dimensions



Strain relief, IP54



Metric cable glands

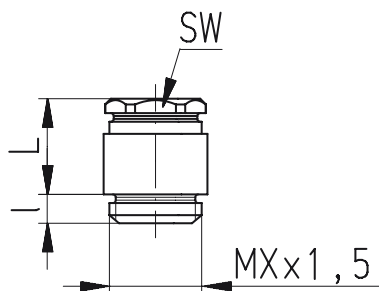
Cable glands, IP54, with strain relief	Description	Type			Part No.	P.U.
	Cable glands metal	Cable Ø [mm]	SW [mm]	l [mm]		
	M20x1.5	8.5 – 14	24	6	Z5.507.5821.0	1
	M25x1.5	12 – 20	34	7	Z5.507.6021.0	1
	M32x1.5	18 – 28	42	8	Z5.507.6221.0	1
	M40x1.5	24 – 34	52	8	on request	
Technical data						
Material		nickel-plated brass				
Color		-				
Degree of protection		IP54				
Flammability		-				

Bushing, IP54	Description	Type			Part No.	P.U.
	Bushing metal	Cable Ø [mm]	SW [mm]	l [mm]		
	M16x1.5	2 – 10.5	-	6	Z5.507.2121.0	1
	M20x1.5	3 – 14.5	-	6	Z5.507.2221.0	1
	M25x1.5	7.5 – 19	-	7	Z5.507.2321.0	1
	M32x1.5	15 – 26.5	-	8	Z5.507.2421.0	1
Technical data						
Material		nickel-plated brass				
Color		-				
Degree of protection		IP54				
Flammability		-				

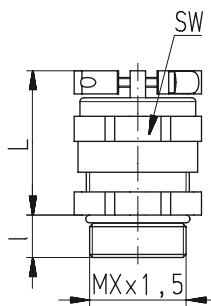
Strain relief, IP54	Description	Type			Part No.	P.U.
	Cable glands metal	Cable Ø [mm]	SW [mm]	l [mm]		
	M16x1.5	6 – 9	18	5	Z5.507.9521.0	10
	M20x1.5	9 – 13.5	22	6	Z5.507.9621.0	10
	M25x1.5	14 – 20	30	7	Z5.507.9721.0	10
	M32x1.5	19 – 29	39	8	Z5.507.9821.0	10
Technical data						
Material		nickel-plated brass				
Color		-				
Degree of protection		IP54				
Flammability		-				

Dimensions

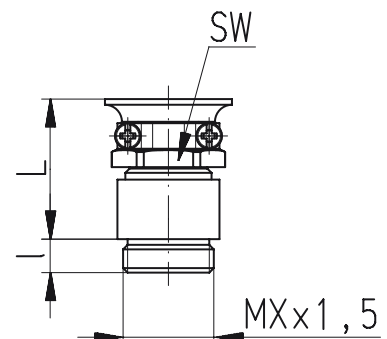
Cable glands,
IP54, metal



Cable glands, IP54,
with strain relief, metal



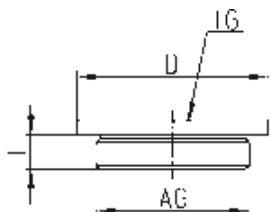
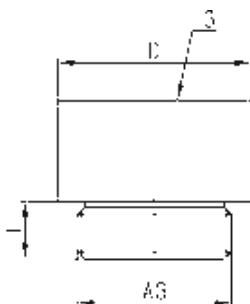
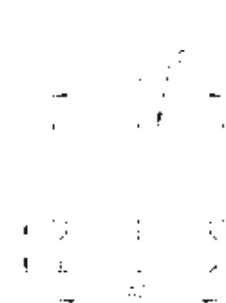
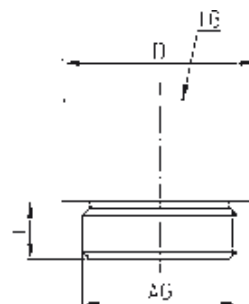
Strain relief, IP54, metal



Cable glands, Accessories

Reduction piece, nickel-plated brass 	Description	Type		Part No.	P.U.
	Reduction piece				
	External thread [AG]	Internal thread [IG]	D [mm]	l [mm]	
	M20x1.5	M16x1.5	22	6	05.507.9021.0 1
	M25x1.5	M20x1.5	27	7	05.507.9121.0 1
	M32x1.5	M25x1.5	34	8	05.507.9221.0 1
Expansion piece, nickel-plated brass 	Description	Type		Part No.	P.U.
	Erweiterung				
	External thread [AG]	Internal thread [IG]	D [mm]	l [mm]	
	M16x1.5	M20x1.5	22	5	05.507.8621.0 1
	M20x1.5	M25x1.5	27	6	05.507.8721.0 1
	M25x1.5	M32x1.5	34	7	05.507.8821.0 1
Adapter for PG-metric conversion 	Description	Type		Part No.	P.U.
	Adapter PG				
	External thread [AG]	Internal thread [IG]	D [mm]	l [mm]	
	PG 13.5	M20x1.5	26	6.5	05.507.7621.0 1
	PG 16	M20x1.5	24	6.5	05.507.7721.0 1
	PG 21	M25x1.5	30	7	05.507.7821.0 1
Adapter for metric-PG conversion 	Description	Type		Part No.	P.U.
	Adapter metrisch				
	External thread [AG]	Internal thread [IG]	D [mm]	l [mm]	
	M20x1.5	PG 13.5	22	6	05.507.8121.0 1
	M20x1.5	PG 16	24	6	05.507.8221.0 1
	M25x1.5	PG 21	30	7	05.507.8321.0 1
Adapter for metric-PG conversion 	Description	Type		Part No.	P.U.
	Adapter metrisch				
	External thread [AG]	Internal thread [IG]	D [mm]	l [mm]	
	M20x1.5	PG 13.5	22	6	05.507.8121.0 1
	M20x1.5	PG 16	24	6	05.507.8221.0 1
	M25x1.5	PG 21	30	7	05.507.8321.0 1

Dimensions

Reduction piece,
nickel-plated brassExpansion piece,
nickel-plated brassAdapter for PG-
metric conversionAdapter for metric-
PG conversion

Cable glands, Accessories

Blind piece with gasket, brass



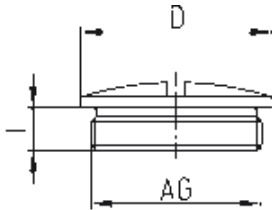
Description	Type		Part No.	P.U.
Blind piece brass				
Thread [AG]	D [mm]	I [mm]		
M20x1.5	22	6.5	Z5.507.4021.0	1
M25x1.5	28	7	Z5.507.4121.0	1
M32x1.5	35	8	Z5.507.4221.0	1
M40x1.5	44	8.5	on request	
Technical data				
Material	nickel-plated brass			
Color	Metalic			
Degree of protection	IP68			
Flammability	-			

Blind piece with gasket, plastic



Description	Type		Part No.	P.U.
Blind piece plastic				
Thread [AG]	D [mm]	I [mm]		
M20x1.5	24	6	Z5.507.4035.0	1
M25x1.5	30	7	Z5.507.4153.0	1
M32x1.5	38	8	Z5.507.4253.0	1
M40x1.5	48	9	Z5.507.4353.0	1
Technical data				
Material	Polyamide			
Color	gray, RAL 7035			
Degree of protection	IP68			
Flammability	UL94-V0			

Dimensions



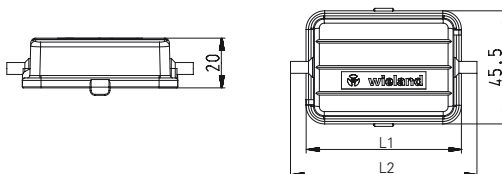
Protective covers without locking levers for *revos* BASIC Housings

Protective covers without locking levers	Description	Type	Part No.	P.U.
Double locking lever Size 10 without gasket with tether cord and loop	revos protective cover for single locking lever, without gasket			
	Size 6	BAS AD DI 06	07.409.7056.0	10
	Size 10	BAS AD DI 10	07.428.5553.0	10
	Size 16	BAS AD DI 16	07.428.5653.0	10
	Size 24	BAS AD DI 24	07.428.5753.0	10
	with tether cord + loop			
	Size 6	BAS AD DI 06 FSR	Z7.416.1556.0	10
	for single locking lever, with gasket			
	Size 6	BAS AD DB 06	Z7.427.8053.0	10
	with tether cord + loop			
	Size 6	BAS AD DJ 06 FSR	Z7.429.0453.0	10
Double locking lever Size 16 without gasket with tether cord	for double locking lever, without gasket			
	Size 10	BAS AD DA 10	07.409.7156.0	10
	Size 16	BAS AD DA 16	07.409.7256.0	10
	Size 24	BAS AD DA 24	07.409.7356.0	10
	with tether cord			
	Size 10	BAS AD DA 10 FS	Z7.409.8756.0	10
	Size 16	BAS AD DA 16 FS	Z7.409.8856.0	10
	Size 24	BAS AD DA 24 FS	Z7.409.8956.0	10
	with tether cord + loop			
	Size 10	BAS AD DA 10 FSR	Z7.409.1656.0	10
Double locking lever Size 10 with gasket	Size 16	BAS AD DA 16 FSR	Z7.409.1756.0	10
	Size 24	BAS AD DA 24 FSR	Z7.409.1856.0	10
	for double locking lever, with gasket			
	Size 10	BAS AD DB 10	Z7.427.8153.0	10
	Size 16	BAS AD DB 16	Z7.427.8253.0	10
	Size 24	BAS AD DB 24	Z7.427.8353.0	10
	with tether cord			
	Size 10	BAS AD DB 10 FS	Z7.429.0153.0	10
	Size 16	BAS AD DB 16 FS	Z7.429.0253.0	10
	Size 24	BAS AD DB 24 FS	Z7.429.0353.0	10
	with tether cord + loop			
	Size 10	BAS AD DB 10 FSR	Z7.429.0553.0	10
	Size 16	BAS AD DB 16 FSR	Z7.429.0653.0	10
	Size 24	BAS AD DB 24 FSR	Z7.429.0753.0	10
Technical data				
Material/Gasket		Polyamide/NBR		
Color		silver gray, RAL 7001		
Degree of protection		IP65		
Flammability		UL94-V0		

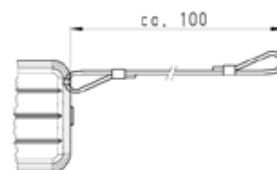
Dimensions

Single locking lever without clamp

Size	L1 [mm]	L2 [mm]
6	62.5	75
10	75.5	90
16	96	110.5
24	122.5	137

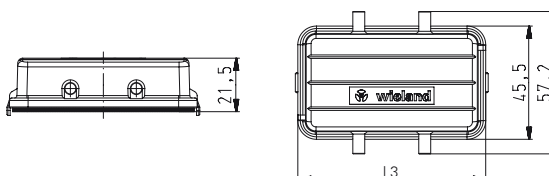


tether cord

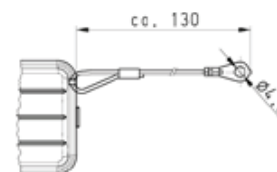


Double locking lever without clamp

Size	L3 [mm]
10	75.5
16	96
24	122.5



tether cord + loop



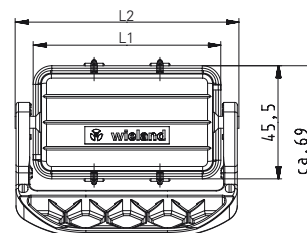
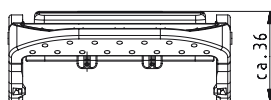
Protective covers with locking levers for *revos* BASIC Housings

Protective covers with locking levers	Description	Type	Part No.	P.U.
Double locking lever Size 10 Plastic locking levers, with gasket	revos protective cover for single locking lever, with gasket plastic locking levers			
	Size 6	BAS AD DH 06 PA	Z7.428.1153.0	10
	Size 10	BAS AD DH 10 PA	Z7.428.5553.0	10
	Size 16	BAS AD DH 16 PA	Z7.428.5653.0	10
	Size 24	BAS AD DH 24 PA	Z7.428.5753.0	10
	steel locking levers			
	Size 6	BAS AD DH 06 ST	Z7.428.1110.0	10
	stainless steel locking levers			
	Size 6	BAS AD DG 06 VA	Z7.428.1119.0	10
Double locking lever Size 10 steel locking levers, with gasket	for single locking lever, without gasket plastic locking levers			
	Size 6	BAS AD DG 06 PA	Z7.428.1553.0	10
	steel locking levers			
	Size 6	BAS AD DG 06 ST	Z7.428.1510.0	10
	stainless steel locking levers			
	Size 6	BAS AD DG 06 VA	Z7.428.1519.0	10
Double locking lever Size 10 stainless steel locking levers, with gasket	for double locking lever, with gasket plastic locking levers			
	Size 10	BAS AD DD 10 PA	Z7.428.1253.0	10
	Size 16	BAS AD DD 16 PA	Z7.428.1353.0	10
	Size 24	BAS AD DD 24 PA	Z7.428.1453.0	10
	steel locking levers			
	Size 10	BAS AD DD 10 ST	Z7.428.1210.0	10
	Size 16	BAS AD DD 16 ST	Z7.428.1310.0	10
	Size 24	BAS AD DD 24 ST	Z7.428.1410.0	10
	stainless steel locking levers			
	Size 10	BAS AD DD 10 VA	Z7.428.1219.0	10
	Size 16	BAS AD DD 16 VA	Z7.428.1319.0	10
	Size 24	BAS AD DD 24 VA	Z7.428.1419.0	10
	for double locking lever, without gasket plastic locking levers			
	Size 10	BAS AD DC 10 PA	Z7.428.1653.0	10
	Size 16	BAS AD DC 16 PA	Z7.428.1753.0	10
	Size 24	BAS AD DC 24 PA	Z7.428.1853.0	10
	steel locking levers			
	Size 10	BAS AD DC 10 ST	Z7.428.1610.0	10
	Size 16	BAS AD DC 16 ST	Z7.428.1710.0	10
	Size 24	BAS AD DC 24 ST	Z7.428.1810.0	10
	stainless steel locking levers			
	Size 10	BAS AD DC 10 VA	Z7.428.1619.0	10
	Size 16	BAS AD DC 16 VA	Z7.428.1719.0	10
	Size 24	BAS AD DC 24 VA	Z7.428.1819.0	10
Technical data				
Material/Gasket		Polyamide/NBR		
Color		silver gray, RAL 7001		
Degree of protection		IP65		
Flammability		UL94-V0		

Dimensions

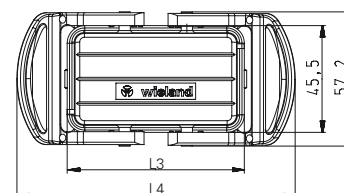
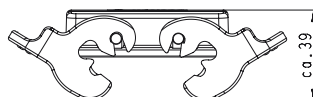
Single locking lever with clamp, plastic

Size	L1 [mm]	L2 [mm]
6	62.5	75
10	75.5	90
16	96	110.5
24	122.5	137



Double locking lever with clamp, plastic

Size	L3 [mm]	L4 [mm]
10	75.5	119
16	96	140
24	122.5	166



Protective cover for *revos* BASIC Housings Size 32

Protective covers without locking levers, without gasket



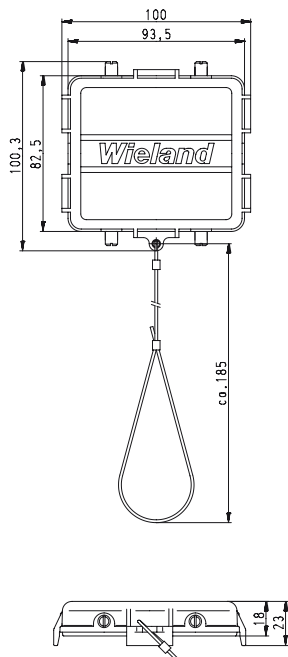
Protective covers with locking levers, with gasket



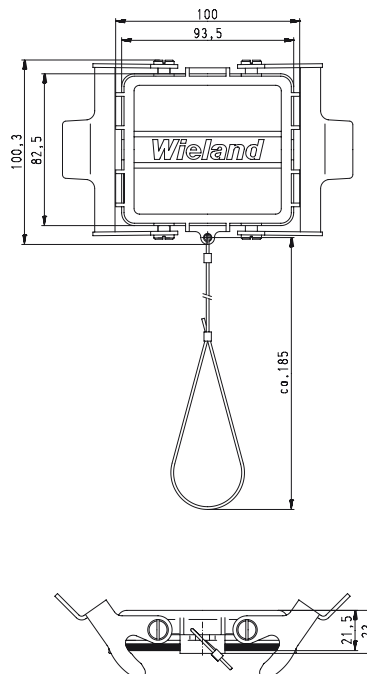
Description	Type	Part No.	P.U.
revos protective cover with tether cord + loop without locking levers, without gasket			
Size 32	BAS AD DA 32 FS ST	Z7.419.6228.0	10
with locking levers, with gasket			
Size 32	BAS AD DD 32 FS ST	Z7.419.6128.0	10
Technical data			
Material	Die cast aluminum		
Surface	Silicon-free		
Locking levers	Zinc-plated steel		
Gasket	NBR		
Degree of protection	IP65		

Dimensions

Protective covers without locking levers



Protective cover with locking levers

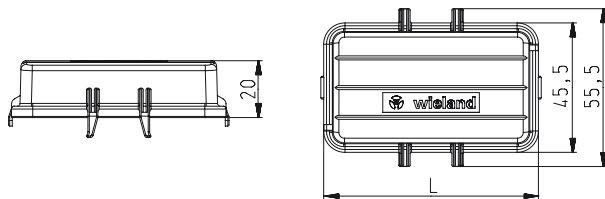


Protective cover for *revos* BASIC Housings Size 6–24

Protective cover latchable	Description	Type	Part No.	P.U.
	Protective cover rastbar			
	Size 6/6H	BAS AD DK 06	Z7.409.7056.0	10
	Size 10/10H	BAS AD DL 10	Z7.409.7156.0	10
	Size 16/16H	BAS AD DL 16	Z7.409.7256.0	10
	Size 24/24H	BAS AD DL 24	Z7.409.7356.0	10
	Technical data			
	Material	Polyamide		
	Color	RAL 7001		
	Degree of protection	-		
	Flammability	-		

Dimensions

Protective cover latchable

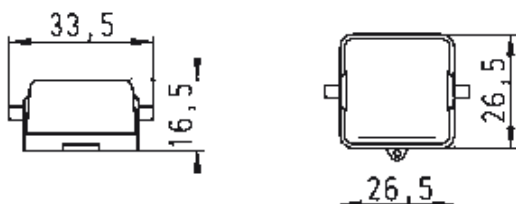


Protective cover for *revos* MINI Housings

Protective cover without gasket	Description	Type	Part No.	P.U.
	Protective cover for <i>revos</i> MINI Housings without gasket for male insert			
	plastic	MIN AD DA 7 P	07.417.6753.0	10
	Metal	MIN AD DA 7 Z	07.417.6729.0	10
	with gasket for female insert			
	plastic	MIN AD DB 7 P	07.417.6853.0	10
	Metal	MIN AD DB 7 Z	07.417.6829.0	10
	Technical data			
	Material	Die cast zinc alloy/Polyamide		
	Surface	Silicon-free		
	Locking levers	-		
	Gasket	NBR		
	Degree of protection	IP65		

Dimensions

Protective cover



Tools and Accessoires

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Marking tag carriers

Marking tag carriers for multipole adapters	Description				Type	Part No.	P.U.
	Marking tag carriers, complete						
	40-pole					Z4.242.3753.0	10
	64-pole					Z4.242.4053.0	10
	Marking tags						
	Single tag, max. 3-digits						
	unmarked	marking field 8.3x4.5 mm			9705 A	04.242.0850.0	500
	marked	marking field 8.3x4.5 mm			9705 A B	04.842.0850.0	500
	Single tag, max. 8-digits						
	unmarked	marking field 14x4.5 mm			9705 AL	04.242.1553.0	500
	marked	marking field 14x4.5 mm			9705 AL B	04.842.1553.0	500
	Marking strip with 12 tags, 6.7 mm spacing						
	unmarked	marking field 8.3x6.45 mm			9705A/6.7/12	04.242.6753.0	25
	marked	Please indicate the required			9705A/6.7/12 B	04.842.6753.0	25
	marked	1 – 9			9705A/6.7/12 B 1-9	99.000.0920.8	25
	Marking strip with 12 tags, 6.7 mm spacing						
	6-pole	marked 1 – 6			9705A/6.7/2X 6 B 1-6	99.002.0920.8	25
	10-pole	marked 1 – 10			9705A/6.7/12 B 1-10	99.003.0920.8	25
	16-pole	marked 1 – 16			9705A/6.7/2X12 B 1-16	99.004.0920.8	25
	24-pole	marked 1 – 24			9705A/6.7/2X12 B 1-24	99.005.0920.8	25
45° Marking tag carrier	Description				Type	Part No.	P.U.
	Marking tag carriers						
	2x4-digits, 45°				9705 A/4 W	04.242.2853.0	200
	Marking tags						
	Single tag, max. 3-digits						
	unmarked	marking field 8.3x4.5 mm			9705 A	04.242.0850.0	500
	marked	marking field 8.3x4.5 mm			9705 A B	04.842.0850.0	500
	Single tag, max. 8-digits						
	unmarked	marking field 14x4.5 mm			9705 AL	04.242.1553.0	500
	marked	marking field 14x4.5 mm			9705 AL B	04.842.1553.0	500
	Marking strip with 12 tags, 6.7 mm spacing						
	unmarked	marking field 8.3x6.45 mm			9705A/6.7/12	04.242.6753.0	25
	marked	Please indicate the required			9705A/6.7/12 B	04.842.6753.0	25
	marked	1 – 9			9705A/6.7/12 B 1-9	99.000.0920.8	25
	Marking strip with 12 tags, 6.7 mm spacing						
	6-pole	marked 1 – 6			9705A/6.7/2X 6 B 1-6	99.002.0920.8	25
	10-pole	marked 1 – 10			9705A/6.7/12 B 1-10	99.003.0920.8	25
	16-pole	marked 1 – 16			9705A/6.7/2X12 B 1-16	99.004.0920.8	25
	24-pole	marked 1 – 24			9705A/6.7/2X12 B 1-24	99.005.0920.8	25
90° Marking tag carrier	Description				Type	Part No.	P.U.
	Marking tag carriers						
	6-digits, 90°				9705 A/6.7/6-90GRAD	04.242.3053.0	200
	complete for						
	6-pole multipole adapters				9705 A/6.7/9-90GRAD 3	04.242.3353.0	50
	10-pole multipole adapters				9705 A/6.7/6-90GRAD 5	04.242.3453.0	50
	16-pole multipole adapters				9705 A/6.7/6-90GRAD 8	04.242.3553.0	25
	24-pole multipole adapters				9705 A/6.7/6-90GRAD12	04.242.3653.0	25
	Marking tags						
	Single tag, max. 3-digits						
	unmarked	marking field 8.3x4.5 mm			9705 A	04.242.0850.0	500
	marked	marking field 8.3x4.5 mm			9705 A B	04.842.0850.0	500
	Single tag, max. 8-digits						
	unmarked	marking field 14x4.5 mm			9705 AL	04.242.1553.0	500
	marked	marking field 14x4.5 mm			9705 AL B	04.842.1553.0	500
	Marking strip with 12 tags, 6.7 mm spacing						
	unmarked	marking field 8.3x6.45 mm			9705A/6.7/12	04.242.6753.0	25
	marked	Please indicate the required			9705A/6.7/12 B	04.842.6753.0	25



Marking tags

Tear-off marking strip	Description				
	Contents		Type	Part No.	P.U.
	Marking tags-Ast unmarked		9704 A	04.241.1150.0	25
	marked with the same number				
	10x "1"	9704 A/1 B		04.841.1150.0	25
	10x "2"	9704 A/2 B		04.841.1250.0	25
	10x "3"	9704 A/3 B		04.841.1350.0	25
	10x "4"	9704 A/4 B		04.841.1450.0	25
	10x "5"	9704 A/5 B		04.841.1550.0	25
	10x "6"	9704 A/6 B		04.841.1650.0	25
	10x "7"	9704 A/7 B		04.841.1750.0	25
	10x "8"	9704 A/8 B		04.841.1850.0	25
	10x "9"	9704 A/9 B		04.841.1950.0	25
	10x "0"	9704 A/0 B		04.841.2050.0	25
	marked with consecutive numbers		1 2 3 4 5 6 7 8 9 0	9704 A/1-0 B	04.841.2150.0
	marked with the same uppercase letters				
	10x "A"	9704 A/AG B		04.841.2250.0	25
	10x "B"	9704 A/BG B		04.841.2350.0	25
	10x "C"	9704 A/CG B		04.841.2450.0	25
	10x "D"	9704 A/DG B		04.841.2550.0	25
	10x "E"	9704 A/EG B		04.841.2650.0	25
	10x "F"	9704 A/FG B		04.841.2750.0	25
	10x "G"	9704 A/GG B		04.841.2850.0	25
	10x "H"	9704 A/HG B		04.841.2950.0	25
	10x "I"	9704 A/IG B		04.841.3050.0	25
	10x "J"	9704 A/JG B		04.841.3150.0	25
	10x "K"	9704 A/KG B		04.841.3250.0	25
	10x "L"	9704 A/LG B		04.841.3350.0	25
	10x "M"	9704 A/MG B		04.841.3450.0	25
	10x "N"	9704 A/NG B		04.841.3550.0	25
	10x "O"	9704 A/OG B		04.841.3650.0	25
	10x "P"	9704 A/PG B		04.841.3750.0	25
	10x "Q"	9704 A/QG B		04.841.3850.0	25
	10x "R"	9704 A/RG B		04.841.3950.0	25
	10x "S"	9704 A/SG B		04.841.4050.0	25
	10x "T"	9704 A/TG B		04.841.4150.0	25
	10x "U"	9704 A/UG B		04.841.4250.0	25
	10x "V"	9704 A/VG B		04.841.4350.0	25
	10x "W"	9704 A/WG B		04.841.4450.0	25
	10x "X"	9704 A/XG B		04.841.4550.0	25
	10x "Y"	9704 A/YG B		04.841.4650.0	25
	10x "Z"	9704 A/ZG B		04.841.4750.0	25



Marking tags

Tear-off marking strip



Description	Contents	Type	Part No.	P.U.
marked with the same lowercase letters	10x "a"	9704 A/AK B	04.841.4850.0	25
	10x "b"	9704 A/BK B	04.841.4950.0	25
	10x "c"	9704 A/CK B	04.841.5050.0	25
	10x "d"	9704 A/DK B	04.841.5150.0	25
	10x "e"	9704 A/EK B	04.841.5250.0	25
	10x "f"	9704 A/FK B	04.841.5350.0	25
	10x "g"	9704 A/GK B	04.841.5450.0	25
	10x "h"	9704 A/HK B	04.841.5550.0	25
	10x "i"	9704 A/IK B	04.841.5650.0	25
	10x "j"	9704 A/JK B	04.841.5750.0	25
	10x "k"	9704 A/KK B	04.841.5850.0	25
	10x "l"	9704 A/LK B	04.841.5950.0	25
	10x "m"	9704 A/MK B	04.841.6050.0	25
	10x "n"	9704 A/NK B	04.841.6150.0	25
	10x "o"	9704 A/OK B	04.841.6250.0	25
	10x "p"	9704 A/PK B	04.841.6350.0	25
	10x "q"	9704 A/QK B	04.841.6450.0	25
	10x "r"	9704 A/RK B	04.841.6550.0	25
	10x "s"	9704 A/SK B	04.841.6650.0	25
	10x "t"	9704 A/TK B	04.841.6750.0	25
	10x "u"	9704 A/UK B	04.841.6850.0	25
	10x "v"	9704 A/VK B	04.841.6950.0	25
	10x "w"	9704 A/WK B	04.841.7050.0	25
	10x "x"	9704 A/XK B	04.841.7150.0	25
	10x "y"	9704 A/YK B	04.841.7250.0	25
	10x "z"	9704 A/ZK B	04.841.7350.0	25
marked with the same symbols	10x "+"	9704 A/+ B	04.841.7450.0	25
	10x "-"	9704 A/- B	04.841.7550.0	25
	10x "/"	9704 A// B	04.841.7650.0	25
	10x "."	9704 A/. B	04.841.7750.0	25
Large packs				
Same numbers = 10 x 25 strips = 2500 tags	1 1 1 ... 0 0 0	111..BIS 000..	04.841.9050.0	1
Uppercase letters = 26 x 25 strips = 6500 tags	A A A ... Z Z Z	A BIS Z GB	04.841.9150.0	1
Lowercase letters = 26 x 25 strips = 6500 tags	a a a ... z z z	A BIS Z KB	04.841.9250.0	1



Crimping tool

	Description	Type	Part No.	P.U.
	Tool			
	Crimping tool in the case		95.101.0800.0	
	Crimping die	"A"	05.502.2000.0	1
	Crimping die	"B"	05.502.2100.0	1
	Crimping die	"C"	05.502.2200.0	1
	Crimping die	"D"	05.502.2300.0	1
	Crimping die	"E"	05.502.2400.0	1
	Crimping die	"F"	05.502.2600.0	1
	Contact positioner	1	05.502.3100.0	1
	Contact positioner	2	05.502.3200.0	1
	Contact positioner	3	05.502.3300.0	1
	Contact positioner	4	05.502.3800.0	1



Crimping die
"A"



Crimping die
"B"



Crimping die
"C"



Crimping die
"D"



Crimping die
"E"



Crimping die
"F"



Contact
positioner
1



Contact
positioner
2



Contact
positioner
3



Contact
positioner
4



Assignment of contacts to appropriate crimping tool

Part No.									Suitable for														Extraction tool			
									revos BASIC	revos MOT	revos MINI Q5	revos MINI (7+8-pole)	revos MINI Q12	revos HD	revos FLEX (Modul 3-pole)	revos FLEX (Modul 4-pole)	revos FLEX (Modul 5-pole)	revos FLEX (Modul 5-pole)	revos FLEX High-voltage-module	revos FLEX (Modul 10-pole)	revos FLEX RJ45	revos DD		revos FLEX (Modul 20-pole)	revos BASIC switching contact	revos SLIDE
Female	Male	Contact diameter	mm²	AWG	Surface	Stripping length mm	Crimping die	Contact positioner																		
02.123.7001.0	05.543.7001.0	2.5	0.5	20	Au0,8	7	B	3	●	●	●															05.502.3500.0
02.123.7001.7	05.543.7001.7	2.5	0.5	20	Au2	7	B	3	●	●	●															05.502.3500.0
02.123.7002.0	05.543.7002.0	2.5	0.5	20	Ag	7	B	3	●	●	●															05.502.3500.0
02.123.7021.0	05.543.7021.0	2.5	0.5	20	Sn	7	B	3	●	●	●															05.502.3500.0
02.123.7101.0	05.543.7101.0	2.5	0.75-1.0	18	Au0,8	7	B	3	●	●	●															05.502.3500.0
02.123.7101.7	05.543.7101.7	2.5	0.75-1.0	18	Au2	7	B	3	●	●	●															05.502.3500.0
02.123.7102.0	05.543.7102.0	2.5	0.75-1.0	18	Ag	7	B	3	●	●	●															05.502.3500.0
02.123.7121.0	05.543.7121.0	2.5	0.75-1.0	18	Sn	7	B	3	●	●	●															05.502.3500.0
02.123.7201.0	05.543.7201.0	2.5	1.5	16	Au0,8	7	B	3	●	●	●															05.502.3500.0
02.123.7201.7	05.543.7201.7	2.5	1.5	16	Au2	7	B	3	●	●	●															05.502.3500.0
02.123.7202.0	05.543.7202.0	2.5	1.5	16	Ag	7	B	3	●	●	●															05.502.3500.0
02.123.7221.0	05.543.7221.0	2.5	1.5	16	Sn	7	B	3	●	●	●															05.502.3500.0
02.123.7301.0	05.543.7301.0	2.5	2.5	14	Au0,8	7	B	3	●	●	●															05.502.3500.0
02.123.7301.7	05.543.7301.7	2.5	2.5	14	Au2	7	B	3	●	●	●															05.502.3500.0
02.123.7302.0	05.543.7302.0	2.5	2.5	14	Ag	7	B	3	●	●	●															05.502.3500.0
02.123.7321.0	05.543.7321.0	2.5	2.5	14	Sn	7	B	3	●	●	●															05.502.3500.0
02.123.7401.0	05.543.7401.0	2.5	4	12	Au0,8	7	B	3	●	●	●															05.502.3500.0
02.123.7401.7	05.543.7401.7	2.5	4	12	Au2	7	B	3	●	●	●															05.502.3500.0
02.123.7402.0	05.543.7402.0	2.5	4	12	Ag	7	B	3	●	●	●															05.502.3500.0
02.123.7421.0	05.543.7421.0	2.5	4	12	Sn	7	B	3	●	●	●															05.502.3500.0
02.124.0900.0	05.544.0900.0	1.58	0.2-0.56	24-20	Sn	4	E	2				●		●												05.502.0000.0
02.124.0929.0	05.544.0929.0	1.58	0.2-0.56	24-20	Sn	4	E	2				●		●												05.502.0000.0
02.124.1000.0	05.544.1000.0	1.58	0.75-1.50	18-16	Sn	4	E	2				●		●												05.502.0000.0
02.124.1029.0	05.544.1029.0	1.58	0.75-1.50	18-16	Sn	4	E	2				●		●												05.502.0000.0
02.124.1400.0	05.544.1400.0	1.58	0.5-1.50	20-16	Au	4	E	2				●		●												05.502.0000.0
02.124.1429.0	05.544.1429.0	1.58	0.5-1.50	20-16	Au	4	E	2				●		●												05.502.0000.0
02.125.2929.8	05.544.1829.8	3.6	1.5	16	Ag	10	B	none						●												05.502.0910.0
02.125.3029.8	05.544.1929.8	3.6	2.5	14	Ag	10	B	none						●												05.502.0910.0
02.125.3129.8	05.544.3129.8	3.6	4	12	Ag	10	D	1						●												05.502.0910.0
02.125.3229.8	05.544.3229.8	3.6	6	10	Ag	10	D	1						●												05.502.0910.0
02.125.3329.8	05.544.3329.8	3.6	10	8	Ag	10	D	1						●												05.502.0910.0
02.125.3429.8	05.544.3429.8	2.5	0.5-1.5	20-16	Ag	4	C	2							●	●										05.502.0610.0
02.125.3529.8	05.544.3529.8	2.5	1.5-2.5	16-14	Ag	4	C	2							●	●										05.502.0610.0
02.125.3629.7	05.544.3629.7	2.5	0.5	20	Au	8	B	1								●	●									05.502.0810.0
02.125.3629.8	05.544.3629.8	2.5	0.5	20	Ag	8	B	1								●	●									05.502.0810.0
02.125.3729.7	05.544.3729.7	2.5	0.75-1.0	18	Au	8	B	1								●	●									05.502.0810.0
02.125.3729.8	05.544.3729.8	2.5	0.75-1.0	18	Ag	8	B	1								●	●									05.502.0810.0
02.125.3829.8	05.544.3829.8	2.5	1.5	16	Ag	8	B	1								●	●									05.502.0810.0
02.125.3929.7	05.544.3929.7	2.5	2.5	14	Au	8	B	1								●	●									05.502.0810.0
02.125.3929.8	05.544.3929.8	2.5	2.5	14	Ag	8	B	1								●	●									05.502.0810.0
02.125.4029.8	05.544.4029.8	2.5	4	12	Ag	8	B	1								●	●									05.502.0810.0
02.125.4129.7	05.544.4129.7	1.6	0.14-0.37	26-22	Au	8	B	1				●					●	●	●							05.502.0710.0
02.125.4129.8	05.544.4129.8	1.6	0.14-0.37	26-22	Ag	8	B	1				●					●	●	●							05.502.0710.0
02.125.4229.7	05.544.4229.7	1.6	0.5	20	Au	8	B	1				●					●	●	●							05.502.0710.0
02.125.4229.8	05.544.4229.8	1.6	0.5	20	Ag	8	B	1				●					●	●	●							05.502.0710.0
02.125.4329.7	05.544.4329.7	1.6	0.75-1.0	18	Au	8	B	1				●					●	●	●							05.502.0710.0
02.125.4329.8	05.544.4329.8	1.6	0.75-1.0	18	Ag	8	B	1				●					●	●	●							05.502.0710.0
02.125.4429.7	05.544.4429.7	1.6	1.5	16	Au	8	B	1				●					●	●	●							05.502.0710.0
02.125.4429.8	05.544.4429.8	1.6	1.5	16	Ag	8	B	1				●					●	●	●							05.502.0710.0
02.125.4529.7	05.544.4529.7	1.6	2.5	14	Au	8	B	1				●					●	●	●							05.502.0710.0
02.125.4529.8	05.544.4529.8	1.6	2.5	14	Ag	8	B	1				●					●	●	●							05.502.0710.0
02.125.4629.7	05.544.4629.7	1.0	0.09-0.25	28-24	Au	3	A	4													●					05.502.0410.0
02.125.4729.7	05.544.4729.7	1.0	0.25-0.5	24-20	Au	3	A	4														●				05.502.0410.0
	05.543.9021.0	2.5	0.5	20	Sn	7	B	3															●			05.502.3500.0
	05.543.9121.0	2.5	0.75-1.0	18	Sn	7	B	3															●			05.502.3500.0
	05.543.9221.0	2.5	1.5	16	Sn	7	B	3															●			05.502.3500.0
	05.543.9321.0	2.5	2.5	14	Sn	7	B	3															●			05.502.3500.0
	05.543.9421.0	2.5	4	12	Sn	7	B	3															●			05.502.3500.0
02.125.1121.0	05.544.5621.0	1.65	1.5	16	Ag	3	B	3																●		05.502.3500.0
Z7.280.4227.0		1.6			Ag	6	F					●														05.502.0710.0

Selection criteria and characteristics of the different contact platings tin, silver and gold

Contact platings

The core of an electric plug connection is the contact pair, consisting of the socket and plug contacts. Contacts are produced almost exclusively from copper alloys, and Wieland Electric GmbH uses contact platings made of tin, silver and gold, depending on the product specification:

Tin is corrosion-resistant; silver offers favorable conditions at high current and with cyclical switching processes; gold offers protection against aggressive environmental conditions.

- **revos** – 16 A plug connector in screw and crimp design are available in all three surface platings, tin, silver and gold.
- **revos** – 16 A plug connectors with spring clamp contacts are available with silver-plating
- **revos** – 16 A multipole adapters are normally available tin-plated.
- **revos** – hybrid plug connectors are normally supplied in a tin version for $I \leq 16$ A and in a silver-plated version for $I > 16$ A.



Tin-plated



Silver-plated



Gold-plated

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Inserts with tin-plated contacts:

Offers excellent resistance to the corrosive gases SO_2 and H_2S . Tin-plated contacts are especially well suited for transmitting low voltages and current in the millivolt and μA range, but also for typical signal voltages, such

as 24 V and lower ampere, or network voltage and corresponding current.

Inserts connectors with silver-plated contacts:

Silver-plated contacts extend the operating life of the plug connector when there is strong current, in particular with cyclical motor start-up current that is markedly above the nominal current of the plug connectors. For example, in use on plastic injection molding machines that switch current on and off within seconds. Silver-plated contacts have proven themselves when the maximum current load capacity limit of 16 A was almost surpassed. Here, too, longer life cycles can be achieved.

In the range of high contact temperatures ($> 100^\circ\text{C}$), silver-plated contacts are preferable to tin-plated contacts.

Aging of silver contacts due to the influence of industrial atmospheres.

During the lifetime of the silver contacts, a silver sulfide layer can form due to the increased affinity of silver for sulfur, which is present in industrial atmospheres in small amounts. Through the chemical reaction of the silver with the gaseous sulfur in the surrounding air, brown to black layers arise, which result in coloring of the surface.

The chemical reaction of the silver surfaces on the plug systems of Wieland Electric GmbH can be delayed by passivating the silver-plated surfaces at the factory with an additional layer. This passivation protects the silver temporarily from a reaction with the gaseous sulfur in the surrounding air. Every currently known passivation layer will protect the silver surface for a limited time only, and a silver sulfide layer, including a black-brown coloration, will form.

This soft layer is extremely thin and is broken through when the contacts are mated. As a result, low transmission resistance is assured, even for colored contacts. This has been proven in numerous examinations in our laboratory.

Inserts connectors with gold-plated contacts:

In areas where high signal precision is required and the signals are transmitted through extremely small current and low voltage, signal distortions can occur with silver contacts with a silver sulfide layer. To simplify, the following values can be used: For current $< 5\text{ mA}$ and voltages up to 5 V, tin-plated or gold-plated contacts

are recommended.

But for extreme applications, only gold-plated contacts should be used.

Conclusion:

Fundamentally, tin-plated contacts are very good or better suited than silver-plated contacts for all types of signal current. For stronger current, when used with high ambient temperatures or a cyclical electric current, longer service lives can be expected with silver-plated contacts. Gold-plated contacts should be used in the range of very low voltage and current.

Wieland has decades of experience in the area of plugable connection technology. We offer the best-possible contact with the optimal plating for every application.