



**revos**  
Industrial Multipole Connectors  
3 – 48 pole  
in metal housing

## Program for Tough Tasks











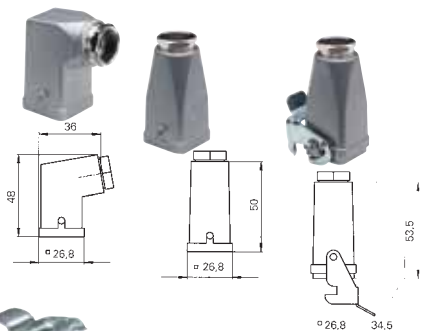
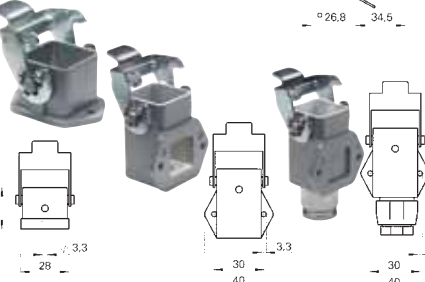
# Heavy-duty industrial plug connectors for all applications



The heavy-duty industrial plug connectors **revos** are classified according to their housings, contact inserts and connection technology. A broadly diversified standard program as well as modular components, which can be combined individually, are available to the user.

## Industrial plug connector 3-/4-/7 pole + ground / 8 pole

Protection class IP54  
Protection class IP65 with suitable screw connections

		Cross section	Approvals	Wire strip length	Material	Std. Pack
 <p><b>Screw connection</b></p>	Bushing insert	0.5 – 2.5 mm <sup>2</sup> 3 pole 18 – 16 AWG UL 4 pole 22 – 12 AWG UL 3-/4 pole 22 – 12 AWG CSA		4 mm	Tin-plated (3 pole) Silver-plated (4 pole)	10
	Plug insert	0.5 – 2.5 mm <sup>2</sup> 3 pole 18 – 16 AWG UL 4 pole 22 – 12 AWG UL 3-/4 pole 22 – 12 AWG CSA		4 mm	Tin-plated (3 pole) Silver-plated (4 pole)	10
 <p><b>Crimping connection</b></p>	Bushing insert without crimping contacts	0.2 – 1.5 mm <sup>2</sup> 18 – 16 AWG UL 24 – 16 AWG CSA		4 mm		10
	Plug insert without crimping contacts	0.2 – 1.5 mm <sup>2</sup> 18 – 16 AWG UL 24 – 16 AWG CSA		4 mm		10

Thread size	Screw connection version	Material	Std. Pack	
 <p><b>M 20</b></p> <p><b>M 20</b></p> <p><b>M 20</b></p>	Top part of housing, angled	0 with screw connection 1 with tapped hole 1 with tapped hole	Metal Metal Plastic	10 10 10
	Top part of housing, straight	0 with screw connection 1 with tapped hole 1 with tapped hole	Metal Metal Plastic	10 10 10
	Top part of housing, with hoop for free cable connection	0 with screw connection 1 with tapped hole 1 with tapped hole	Metal Metal Plastic	10 10 10
 <p><b>M 20</b></p>	Bottom part of housing, open		Metal Plastic	10 10
	Bottom part of housing, open, angled		Metal Plastic	10 10
	Bottom part of housing, closed	0 with screw connection 1 with tapped hole	Metal Metal	10 10
		with IP 68-screw connection	Plastic	10

Contacts for crimping version	Ø mm <sup>2</sup>	AWG	Order no	Std. Pack	Ø mm <sup>2</sup>	AWG	Order no	Std. Pack
<b>Bushing contacts</b> 	0.2 – 0.56 mm <sup>2</sup>	24 – 20	Tin-plated	5000	0.5 – 1.50 mm <sup>2</sup>	24 – 20	Gold-plated	5000
	Reel contacts		02.124.0900.0		Reel contacts		02.124.1400.0	
	Single contacts	02.124.0929.0	200	Single contacts	02.124.1429.0	200		
	0.75 – 1.50 mm <sup>2</sup>	18 – 16	02.124.1000.0	5000				
Reel contacts	02.124.1029.0		200					
<b>Plug contacts</b> 	0.2 – 0.56 mm <sup>2</sup>	24 – 20	05.544.0900.0	5000	0.5 – 1.50 mm <sup>2</sup>	20 – 16	05.544.1400.0	5000
	Reel contacts		05.544.0929.0		200		Reel contacts	
	Single contacts				Single contacts			
	0.75 – 1.50 mm <sup>2</sup>	18 – 16	05.544.1000.0	5000				
Reel contacts	05.544.1029.0		200					
							95.101.0800.0	1
							05.502.2400.0	1
							05.502.3200.0	1
							05.502.0000.0	1

**3 pole + ground**

**Plastic housing** UL/CSA  
400 V/4 kV, 10 A 600 V  
**Metal housing**  
250 V/400 V/4 kV, 10 A 600 V

**4 pole + ground**

**Plastic housing** UL/CSA  
400 V/6 kV, 10 A 600 V  
**Metal housing**  
400 V/6 kV, 10 A 600 V

**7 pole + ground**

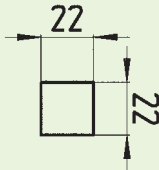
**Plastic housing** UL/CSA  
250 V/4 kV, 10 A 600 V  
**Metal housing**  
50 V/0.8 kV, 10 A 42 V

**8 pole**

**Plastic housing** UL/CSA  
50 V/0.8 kV, 10 A 42 V  
**Metal housing**  
50 V/0.8 kV, 10 A 42 V

**Accessories**

Order no	Order no	Order no	Order no	Order no	Order no
73.300.0353.0	73.300.0453.0	-	-		
73.310.0353.0	73.310.0453.0	-	-	Lid with locking cams for top and bottom section of housing with locking hoop	Lid with locking cams for top and bottom section of housing with locking hoop
-	-	73.700.0753.0	73.700.0853.0	without seal for plug insert	with seal for socket insert
-	-	73.710.0753.0	73.710.0853.0	Plastic 07.417.6753.0 Metal 07.417.6729.0	Plastic 07.417.6853.0 Metal 07.417.6829.0

76.350.0736.0	76.350.0736.0	76.350.0736.0	76.350.0736.0	 <p>Mounting distances and openings for open bottom parts of housings.</p>
76.350.0736.1	76.350.0736.1	76.350.0736.1	76.350.0736.1	
76.350.0760.1	76.350.0760.1	76.350.0760.1	76.350.0760.1	
76.352.0736.0	76.352.0736.0	76.352.0736.0	76.352.0736.0	
76.352.0736.1	76.352.0736.1	76.352.0736.1	76.352.0736.1	
76.352.0760.1	76.352.0760.1	76.352.0760.1	76.352.0760.1	
76.372.0736.0	76.372.0736.0	76.372.0736.0	76.372.0736.0	
76.372.0736.1	76.372.0736.1	76.372.0736.1	76.372.0736.1	
76.372.0760.1	76.372.0760.1	76.372.0760.1	76.372.0760.1	
76.320.0729.0	76.320.0729.0	76.320.0729.0	76.320.0729.0	
76.320.0753.0	76.320.0753.0	76.320.0753.0	76.320.0753.0	
76.321.0729.0	76.321.0729.0	76.321.0729.0	76.321.0729.0	
76.321.0753.0	76.321.0753.0	76.321.0753.0	76.321.0753.0	
76.322.0736.0	76.322.0736.0	76.322.0736.0	76.322.0736.0	
76.322.0736.1	76.322.0736.1	76.322.0736.1	76.322.0736.1	
76.322.0760.5	76.322.0760.5	76.322.0760.5	76.322.0760.5	

# Industrial plug connector 16 A, 500 V 6-/10-/16-/24-/32-/48 pole

Protection class IP 54

Protection class IP 65 with suitable screw connections

Bushings/plug inserts	Description	Cross section	Approvals	Wire strip length	Contacts	Std. Pack
	Bushing insert, screw connection	0.5–2.5 mm <sup>2</sup>		7 mm	Tin-plated	10
	Bushing insert, crimping connection	0.5–4.0 mm <sup>2</sup>		7 mm	Tin-plated /gold-plated	10
	Bushing insert, spring connection	0.14–2.5 mm <sup>2</sup>		7 mm	Silver-plated	10
	Plug insert, screw connection	0.5–2.5 mm <sup>2</sup>		7 mm	Tin-plated	10
	Plug insert, crimping connection	0.5–4.0 mm <sup>2</sup>		7 mm	Tin-plated /gold-plated	10
	Plug insert, spring connection	0.14–2.5 mm <sup>2</sup>		7 mm	Silver-plated	10
	Bushing insert, screwing, SL right	0.5–4.0 mm <sup>2</sup>		12 mm	Tin-plated	10
	Bushing insert, screwing, SL left	0.5–4.0 mm <sup>2</sup>		12 mm	Tin-plated	10
	Bushing insert, spring, SL right	0.5–2.5 mm <sup>2</sup>		9 mm	Tin-plated	10
	Bushing insert, spring, SL left	0.5–2.5 mm <sup>2</sup>		9 mm	Tin-plated	10
	Plug insert, screwing, SL right	0.5–4.0 mm <sup>2</sup>		12 mm	Tin-plated	10
	Plug insert, screwing, SL left	0.5–4.0 mm <sup>2</sup>		12 mm	Tin-plated	10
	Plug insert, spring, SL right	0.5–2.5 mm <sup>2</sup>		9 mm	Tin-plated	10
	Plug insert, spring, SL left	0.5–2.5 mm <sup>2</sup>		9 mm	Tin-plated	10

Double locking lever	Description	Thread size	Approvals	Wire strip length	Contacts	Std. Pack	
	Top part of housing with screw connection at the side	M 20				1	
		M 25				1	
		M 32				1	
	Top part of housing with screw connection on top	M 20	PG threads are available on inquiry				1
		M 25				1	
		M 32				1	
	Bottom part of housing closed with two screw connections	M 20					1
		M 25					1
		M 32					1
	Bottom part of housing closed with screw connection on the left	M 20					1
		M 25					1
		M 32					1
Bottom part of housing, open						1	

Single locking lever	Description	Thread size	Approvals	Wire strip length	Contacts	Std. Pack	
	Top part of housing with screw connection at the side	M 20				1	
		M 25				1	
		M 32				1	
	Top part of housing with screw connection on top	M 20	PG threads are available on inquiry				1
		M 25				1	
		M 32				1	
	Bottom part of housing closed with two screw connections	M 20					1
		M 25					1
		M 32					1
	Bottom part of housing closed with screw connection on the left	M 20					1
		M 25					1
		M 32					1
Bottom part of housing, open						1	

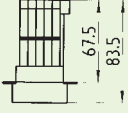
**Available housing versions:**

**Top parts of housing**

- with cable screw connection without strain relief 7x.xxx.xxxx.0
- with metrical thread 7x.xxx.xxxx.1
- with cast on or screwed on neck 7x.xxx.xxxx.2
- with conical screw connection 7x.xxx.xxxx.3

**Bottom part of housing, closed design**

- with metrical cable screw connection without strain relief 7x.xxx.xxxx.0
- with metrical thread 7x.xxx.xxxx.1

6 pole + ground	10 pole + ground	16 pole + ground	24 pole + ground	32 pole + ground	48 pole + ground
Order no	Order no	Order no	Order no	Order no	Order no
70.300.0640.0	70.300.1040.0	70.300.1640.0	70.300.2440.0	70.300.3253.0	70.300.4840.0
70.700.0658.0	70.700.1058.0	70.700.1658.0	70.700.2458.0	70.700.3253.0	70.700.4858.0
70.500.0653.0	70.500.1053.0	70.500.1653.0	70.500.2453.0	70.500.3253.0	70.500.4853.0
70.310.0640.0	70.310.1040.0	70.310.1640.0	70.310.2440.0	70.310.3253.0	70.310.4840.0
70.710.0658.0	70.710.1058.0	70.710.1658.0	70.710.2458.0	70.710.3253.0	70.710.4858.0
70.510.0653.0	70.510.1053.0	70.510.1653.0	70.510.2453.0	70.510.3253.0	70.510.4853.0
70.105.0653.4	70.105.1053.4	70.105.1653.4	70.105.2453.4	<b>Note:</b> 32- and 48 pole: Std. Pack 5 	
70.100.0653.4	70.100.1053.4	70.100.1653.4	70.100.2453.4		
70.106.0653.0	70.106.1053.0	70.106.1653.0	70.106.2453.0		
70.101.0653.0	70.101.1053.0	70.101.1653.0	70.101.2453.0		
70.115.0653.4	70.115.1053.4	70.115.1653.4	70.115.2453.4		
70.110.0653.4	70.110.1053.4	70.110.1653.4	70.110.2453.4		
70.116.0653.0	70.116.1053.0	70.116.1653.0	70.116.2453.0		
70.111.0653.0	70.111.1053.0	70.111.1653.0	70.111.2453.0		



Order no	Order no	Order no	Order no	Order no	Order no
-	70.350.1035.0 70.353.1035.0 73.353.1035.0*)	70.350.1635.0 70.353.1635.0	70.350.2435.0 70.353.2435.0	70.350.3235.0	-
-	70.352.1035.0 70.354.1035.0 73.354.1035.0*)	70.352.1635.0 70.354.1635.0	70.352.2435.0 70.354.2435.0	70.352.3235.0	-
-	70.330.1035.0 70.334.1035.0	70.330.1635.0 73.334.4035.0*)	70.330.2435.0 73.334.6435.0*)	-	-
-	70.331.1035.0 70.335.1035.0	70.331.1635.0 73.335.4035.0*)	70.331.2435.0 73.335.6435.0*)	-	-
-	70.320.1028.0	70.320.1628.0	70.320.2435.0	70.320.3228.0	-

Order no	Order no	Order no	Order no	Order no	Order no
70.350.0635.0 70.353.0635.0	71.350.1035.0 71.353.1035.0 76.353.1035.0*)	71.350.1635.0 71.353.1635.0	71.350.2435.0 71.353.2435.0	-	70.350.4835.0
70.352.0635.0 70.354.0635.0	71.352.1035.0 71.354.1035.0 76.354.1035.0*)	71.352.1635.0 71.354.1635.0	71.352.2435.0 71.354.2435.0	-	70.352.4835.0
70.330.0635.0 70.334.0635.0	71.330.1035.0 71.334.1035.0	71.330.1635.0 76.334.4035.0*)	71.330.2435.0 76.334.6435.0*)	-	
70.331.0635.0 70.335.0635.0	71.331.1035.0 71.335.1035.0	71.331.1635.0 76.335.4035.0*)	71.331.2435.0 76.335.6435.0*)	-	70.331.4835.0
70.320.0628.0	71.320.1028.0	71.320.1628.0	71.320.2435.0	-	70.320.4828.0



\*) Note:  
 Top and bottom parts of housing whose order numbers begin with 73.... or 76... have a high design.



# Accessories

Crimp contacts <b>revos</b> BASIC	Ø mm <sup>2</sup>	AWG	Order no	Std. Pack	Ø mm <sup>2</sup>	AWG	Order no	Std. Pack
<b>Female contacts</b> 	0.5	20	Tin-plated 02.123.7021.0	200	0.5	20	Gold-plated 02.123.7001.0	200
	0.75 – 1	18	02.123.7121.0	200	0.75 – 1	18	02.123.7101.0	200
	1.5	16	02.123.7221.0	200	1.5	16	02.123.7201.0	200
	2.5	14	02.123.7321.0	200	2.5	14	02.123.7301.0	200
	4	12	02.123.7421.0	200	4	12	02.123.7401.0	200
<b>Male contacts</b> 	0.5	20	05.543.7021.0	200	0.5	20	05.543.7001.0	200
	0.75 – 1	18	05.543.7121.0	200	0.75 – 1	18	05.543.7101.0	200
	1.5	16	05.543.7221.0	200	1.5	16	05.543.7201.0	200
	2.5	14	05.543.7321.0	200	2.5	14	05.543.7301.0	200
	4	12	05.543.7421.0	200	4	12	05.543.7401.0	200
Crimping tool			95.101.0800.0	1	Silver-plated on request			
Crimping die "B"			05.502.2100.0	1				
Contact positioner "3"			05.502.3300.0	1				
Extraction tool			05.502.3500.0	1				

# Glands

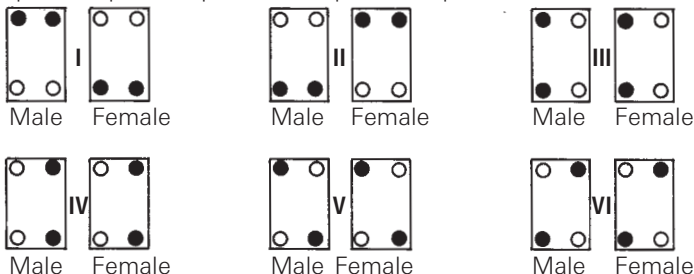
Cable gland	Metric thread	> Ø < mm	Ø mm	Thread length in mm	Order no	Std. Pack	
<b>Cable gland from nickel-plated brass</b> 	M 20 x 1.5	8.0 – 13.0	22	6	Z5.507.1321.0	10	with internal strain relief and gasket on the connection thread, for IP 68 degree of protection
	M 25 x 1.5	11.0 – 18.0	27	7	Z5.507.1521.0	10	
	M 32 x 1.5	15.0 – 21.0	34	8	Z5.507.1721.0	10	
	M 40 x 1.5	19.0 – 27.0	44	8	Z5.507.1921.0	10	
<b>Plastic cable gland</b> 	M 20 x 1.5	6.0 – 12.0	24	9	Z5.507.1353.0	10	made of Polyamide, gray (RAL 7035), with strain relief IP 68 degree of protection
	M 25 x 1.5	7.0 – 16.0	28	11	Z5.507.1553.0	10	
	M 32 x 1.5	10.0 – 21.0	36	11	Z5.507.1753.0	10	
	M 40 x 1.5	16.0 – 28.0	46	11	Z5.507.1953.0	10	
							For the use of plastic glands, the size 6 housings must have an intermediate support.

## 1) Six coding options with coding pins

Coding pin

Part no. for version A: 05.592.0621.0 100




The use of coding pins enables six combinations for 3 pole, 6 pole, 10 pole, 16 pole and 24 pole multipole connectors.



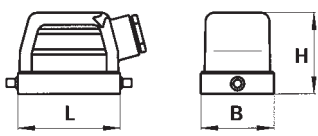
## 2) 72 coding options with coding pin, female coding piece and coding bolt

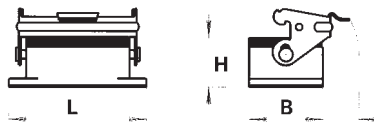
The use of coding pins and female coding pieces enables 16 different codings. With an additional coding pin, up to 72 coding options are possible.

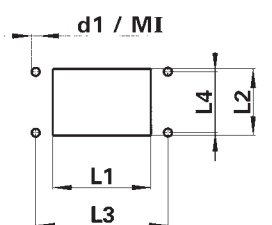
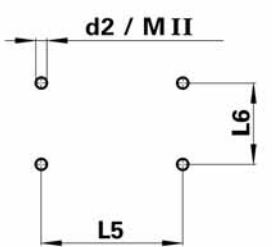
All fastening screws must be replaced by the coding components.

-  ● Coding bolts 05.576.6912.0
-  • Coding pin 05.576.6612.0
-  ○ Female coding piece 05.576.6712.0

# Technical data

Hoods	Size	L in mm	B in mm	H in mm
	6 pole	60	43	47.5
	10 pole	73	43	53
	10 pole high design	73	43	70
	16 pole	93.5	43	60
	16 pole high design	93.5	43	76
	24 pole	120	43	70
	24 pole high design	120	43	76
	32 pole	93.5	82.5	94
	32 pole high design	132	90	107

Housings	Size	L in mm	B in mm	H in mm	L1 in mm	B1 in mm	H1 in mm
	Open-bottom housings		Closed-bottom housings				
	6 pole	80	43	28	84	52	54.5
	10 pole	93	43	28	94	52	54.5
	16 pole	113	43	28	117	52	56.5
	16 pole high design				117	52	76.5
	24 pole	140	43	28	144	52	56.5
	24 pole high design				144	52	76.5
	32 pole	124	84	35			
	48 pole	165	90	44	146	120	99

Size	L1	L2	L3	L4	d1	M1
<b>Single locking lever</b>						
	Cut-out		Mounting holes			
6	52	35	70	32	4.3	M 4
10	65	35	83	32	4.3	M 4
16	85.5	35	103	32	4.3	M 4
24	112	35	130	32	4.3	M 4
48	117	81	148	70	6.4	M 6
<b>Double locking lever</b>						
	Cut-out		Mounting holes			
10	52	35	70	32	4.3	M 4
16	65	35	83	32	4.3	M 4
24	85.5	35	103	32	4.3	M 4
32	112	35	130	32	4.3	M 4
<b>Mounting dimensions and cut-outs for open-bottom housings</b>						
						
Size	L5	L6	d2	MII		
<b>Single locking lever</b>						
6	70	40	5.5	M 5		
10	82	40	5.5	M 5		
16	105	45	5.5	M 5		
24	132	45	5.5	M 5		
48	111	106	6.5	M 6		
<b>Double locking lever</b>						
10	82	40	5.5	M 5		
16	105	45	5.5	M 5		
24	132	45	5.5	M 5		
<b>Mounting dimensions for closed-bottom housings</b>						
						





# wieland

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## Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
  - Screw, spring clamp or IDC connection technology
  - Wire cross sections up to 240 mm<sup>2</sup>
  - Numerous special functions
  - Software solutions interfacing to CAE systems
- Safety
  - Safety sensors
  - Safety relays
  - Modular safety systems with fieldbus link
- PLC and fieldbus components
  - Standard applications in IP20
  - Increased environmental conditions with railroad and ship approvals
- Interface
  - Coupling relays, semiconductor switches
  - Measuring and monitoring relays
  - Timer and switching relays
  - Analog modules
  - Passive interfaces
  - Power supply units
  - Overvoltage protection

Solutions for field applications

- Remote automation technology
  - Power distribution
  - Fieldbus interfaces and motor starters
- Connectors for industrial applications
  - Square and round connectors
  - Aluminum or plastic housings
  - Degree of protection up to IP68
  - Current-carrying capacity up to 100 A
  - Connectors for hazardous areas
  - Modular, application specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5 mm to 10.16 mm
- Reflow or wave soldering process

## Building and installation technology

- Building installation systems
  - Main power supply connectors IP20/IP65... IP68
  - Bus connectors
  - Combined connectors
  - Low-voltage connectors
  - Power distribution system with flat cables
  - Distribution systems
  - Bus systems in KNX, LON and radio technology
  - DIN rail terminal blocks for electrical installations
  - Overvoltage protection

contacts  
are  
green.

## Product Range