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Signal connector M23 standard [6 to 19-pole]

Types

- Connector, standard and push-pull version, angular connector
- Lead through
- Coupling, standard or with central attachment

- PG 13.5 installation box
- Straight installation box with flange
- Installation box angled and angled rotatable with flange

Number of poles insulation body

- 6, 7, [8+1], 9, 10, 12, 16, 17, [16+3]

Technical data of the series A

Temperature range	-4 °F to +266 °F (-20 °C to +130 °C)
Protection class	IP 66/67 [plugged]

Electrical data signal 6 to 12-pole

Max. continuous nominal current	10 A
Nominal voltage	160 V (AC/DC)
Test voltage (L-L)	2500 V
Contact resistance	< 5 mΩ
Insertion cycles	> 50

Electrical data signal 16 to 19-pole

Max. continuous nominal current	9 A
Nominal voltage	125 V (AC/DC)
Test voltage (L-L)	2500 V
Contact resistance	< 5 mΩ
Insertion cycles	> 50

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Degree of soiling	3
Over-voltage category	III
Max. installation height	6 562 ft (2 000 m)

Used materials

Housing	Zinc die-casting/brass, nickel-plated
Coupling nut	Brass, nickel-plated
Insulation body	PA 6.6/PBT, UL 94/V0
Contacts	Brass, gold-plated
Seals	FPM/HNBR
Clamping ring	Brass, nickel-plated



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Signal connector [9 to 19-pole] (Metal work, EMC shielding)

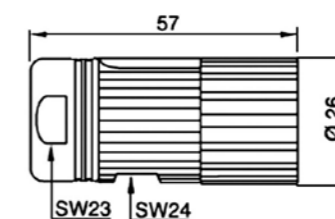


Image exemplary.

Part no.	Insulation body	Female crimping, slitted [mm]	Crimping area [mm ²]	Female crimping, slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT0179600	P type [8+1]-pole 3 coding slots	8x1.0	0.14-1.0	1x2.0	0.35-2.5	9.0-13,2	C+1+4
MAT0179601	E type 12-pole 3 coding slots	12x1.0	0.14-1.0			9.0-13,2	A
MAT0179602	P type 16-pole 1 coding slot	16x1.0	0.14-1.0			9.0-13,2	A
MAT0179603	P type 17-pole 3 coding slots	17x1.0	0.14-1.0			9.0-13,2	A
MAT0179604	P type [16+3]-pole 1 coding slot	16x1.0	0.14-1.0	3x1.5	0.14-1.0	9.0-13,2	C+1+5

Lead-through with union nut (Metal construction, axial seal)

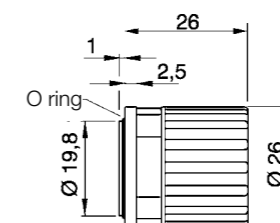


Image exemplary.

The lead-through is harnessed with above-mentioned contacts and insulation bodies. The technical specifications apply accordingly. A cable clamp is not required by virtue of the design.

Part no.	Number of poles	Crimping tool + insert
MAT0179605	[8+1]	C+1+4
MAT0179606	12	A
MAT0179607	16	A
MAT0179608	17	A
MAT0179609	[16+3]	C+1+5

Crimping tools and inserts ► page 732



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Signal connector [9 to 19-pole] (Metal work, EMC shielding)

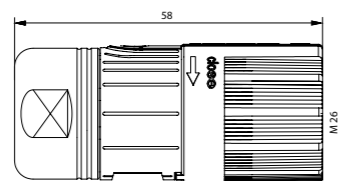
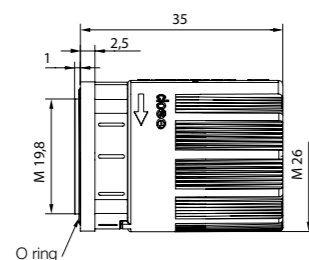


Image exemplary.

Part no.	Insulation body	Female crimping, slitted [mm]	Crimping area [mm ²]	Female crimping, slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01723461	P type [8+1]-pole 3 coding slots	8x1.0	0.14-1.0	1x2.0	0.35-2.5	9.0-13,2	C+1+4
MAT01723462	E type 12-pole 3 coding slots	12x1.0	0.14-1.0			9.0-13,2	A
MAT01723463	P type 16-pole 1 coding slot	16x1.0	0.14-1.0			9.0-13,2	A
MAT01723464	P type 17-pole 3 coding slots	17x1.0	0.14-1.0			9.0-13,2	A
MAT01723465	P type [16+3]-pole 1 coding slot	16x1.0	0.14-1.0	3x1.5	0.14-1.0	9.0-13,2	C+1+5

Lead-through with union nut (Metal construction, axial seal)



The lead-through is harnessed with above-mentioned contacts and insulation bodies. The technical specifications apply accordingly. A cable clamp is not required by virtue of the design.

Image exemplary.

Part no.	Number of poles	Crimping tool + insert
MAT01723466	[8+1]	C+1+4
MAT01723467	12	A
MAT01723468	16	A
MAT01723469	17	A
MAT01723470	[16+3]	C+1+5

Crimping tools and inserts ► page 732


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Signal coupling [9 to 19-pole] (Metal work, EMC shielding)

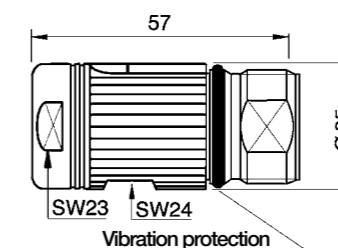
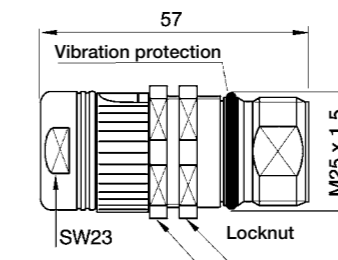


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT0179610	E type [8+1]-pole 3 coding slots	8x1.0	0.14-1.0	1x2.0	0.35-2.5	9.0-13,2	C+1+4
MAT0179611	P type 12-pole 3 coding slots	12x1.0	0.14-1.0			9.0-13,2	A
MAT0179612	E type 16-pole 1 coding slot	16x1.0	0.14-1.0			9.0-13,2	A
MAT0179613	E type 17-pole 3 coding slots	17x1.0	0.14-1.0			9.0-13,2	A
MAT0179614	E type [16+3]-pole 1 coding slot	16x1.0	0.14-1.0	3x1.5	0.14-1.0	9.0-13,2	C+1+5

Coupling with central attachment (Metal construction, EMC shielding)



The coupling with central attachment is harnessed with the above-mentioned contacts, insulation bodies and cable clamp. The technical specifications apply accordingly.

Image exemplary.

Part no.	Number of poles	Crimping tool + insert
MAT0179615	[8+1]	C+1+4
MAT0179616	12	A
MAT0179617	16	A
MAT0179618	17	A
MAT0179619	[16+3]	C+1+5

Crimping tools and inserts ► page 732



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Signal coupling [9 to 19-pole] (Metal work, EMC shielding)

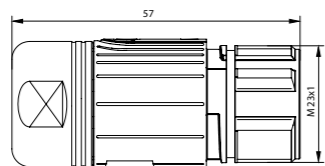
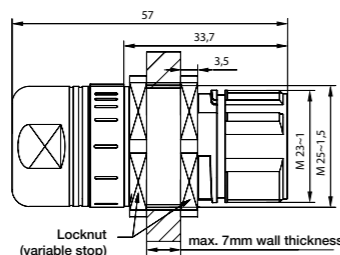


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01723471	E type [8+1]-pole 3 coding slots	8x1.0	0.14-1.0	1x2.0	0.35-2.5	9.0-13,2	C+1+4
MAT01723472	P type 12-pole 3 coding slots	12x1.0	0.14-1.0			9.0-13,2	A
MAT01723473	E type 16-pole 1 coding slot	16x1.0	0.14-1.0			9.0-13,2	A
MAT01723474	E type 17-pole 3 coding slots	17x1.0	0.14-1.0			9.0-13,2	A
MAT01723475	E type [16+3]-pole 1 coding slot	16x1.0	0.14-1.0	3x1.5	0.14-1.0	9.0-13,2	C+1+5

Coupling with central attachment (Metal construction, EMC shielding)



The coupling with central attachment is harnessed with the above-mentioned contacts, insulation bodies and cable clamp. The technical specifications apply accordingly.

Image exemplary.

Part no.	Number of poles	Crimping tool + insert
MAT01723476	[8+1]	C+1+4
MAT01723477	12	A
MAT01723478	16	A
MAT01723479	17	A
MAT01723480	[16+3]	C+1+5

Crimping tools and inserts ► page 732


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Power connector
Size 1 [6, 8 and 9-pole]

Types

- Connector, short and long, push-pull version, angular connector
- Coupling, standard or with central attachment
- Lead-through
- Installation box straight with flange
- Installation box angled and angled rotatable with flange

Number of poles insulation body

- 6, 8, 9

Technical data of the series B

Temperature range	-4 °F to +266 °F (-20 °C to +130 °C)
Protection class	IP 66/67 [plugged]

Electrical data power 6-pole

Max. continuous nominal current	max. 28 A (6-pole) max. 30 A (8/9-pole)
Nominal voltage	630 V (AC/DC)
Testing voltage (L-L)	6000 V
Contact resistance	< 3 mΩ
Insertion cycles	> 50

Electrical data Signal 8 and 9-pole

Max. continuous nominal current	10 A
Nominal voltage	250 V (AC/DC)
Testing voltage (L-L)	2500 V
Contact resistance	< 5 mΩ
Insertion cycles	> 50

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Degree of soiling	3
Over-voltage category	III
Max. installation height	6 562 ft (2 000 m)

Used materials

Housing	Zinc die-casting,/brass, nickel-plated (*)
Coupling nut	Brass, nickel-plated
Insulation body	PA 6.6/PBT, UL 94/V0
Contacts	Brass, gold-plated
Seals	FPM/HNBR
Clamping ring	Brass, nickel-plated

*optional: Stainless steel



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Power connector [6 to 9-pole], nickel-plated (Metal work, EMC shielding)

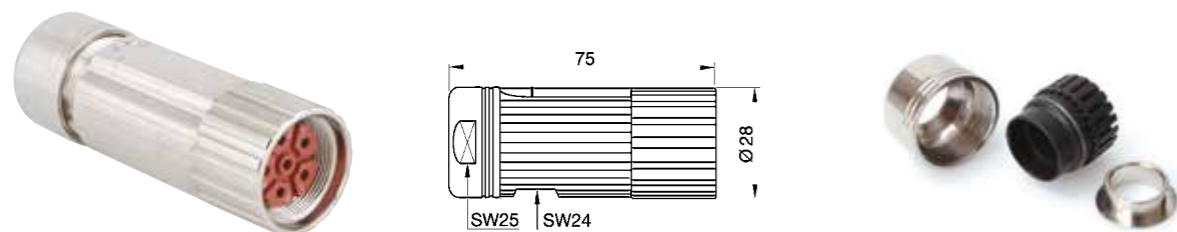


Image exemplary.

Part no.	Insulation body	HC-female crimping [mm]	Crimping area [mm ²]	HC-female crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT0179620	P type 6-pole		6x2.0	0.35-2.5		9.5-14.5	C+2
MAT0179621	P type 8-pole		4x2.0	0.35-2.5	4x1.0	0.14-1.0 9.5-14.5	C+1+2
MAT0179622	P type 9-pole		4x2.0	0.35-2.5	5x1.0	0.14-1.0 9.5-14.5	C+1+2

Lead-through with union nut (Metal construction, axial seal)

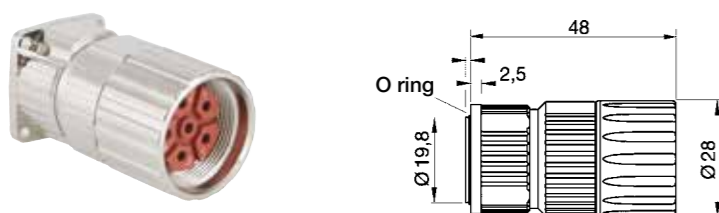


Image exemplary.

Part no.	Number of poles	Crimping tool + insert
MAT0178406	6	C+2
MAT0175661	8	C+1+2
MAT0179033	9	C+1+2

The lead-through is harnessed with above-mentioned contacts and insulation bodies. The technical specifications apply accordingly. A cable clamp is not required by virtue of the design.

Crimping tools and inserts ► page 732



Power connector [6 to 9-pole], nickel-plated (Metal work, EMC shielding)

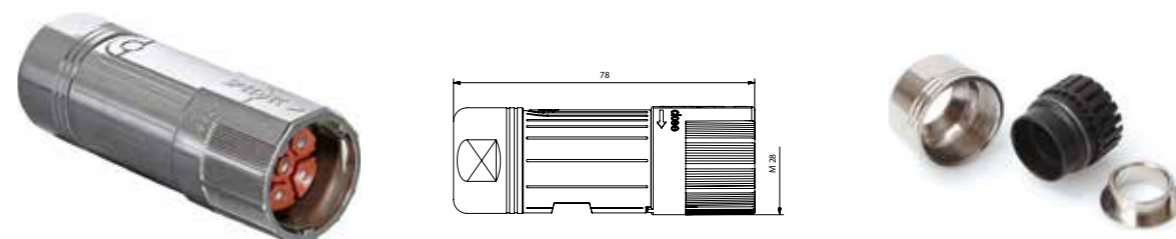


Image exemplary.

Part no.	Insulation body	HC-female crimping [mm]	Crimping area [mm ²]	HC-female crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01723481	P type 6-pole		6x2.0	0.35-2.5		9.5-14.5	C+2
MAT01723482	P type 8-pole		4x2.0	0.35-2.5	4x1.0	0.14-1.0 9.5-14.5	C+1+2
MAT01723483	P type 9-pole		4x2.0	0.35-2.5	5x1.0	0.14-1.0 9.5-14.5	C+1+2

Lead-through with union nut (Metal construction, axial seal)

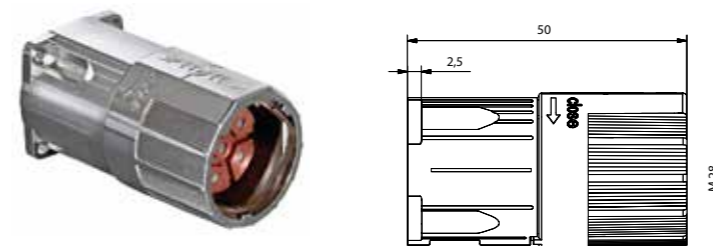


Image exemplary.

Part no.	Number of poles	Crimping tool + insert
MAT01723484	6	C+2
MAT01723485	8	C+1+2
MAT01723486	9	C+1+2

The lead-through is harnessed with above-mentioned contacts and insulation bodies. The technical specifications apply accordingly. A cable clamp is not required by virtue of the design.

Crimping tools and inserts ► page 732



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Power coupling [6 to 9-pole] nickel-plated (Metal work, EMC shielding)

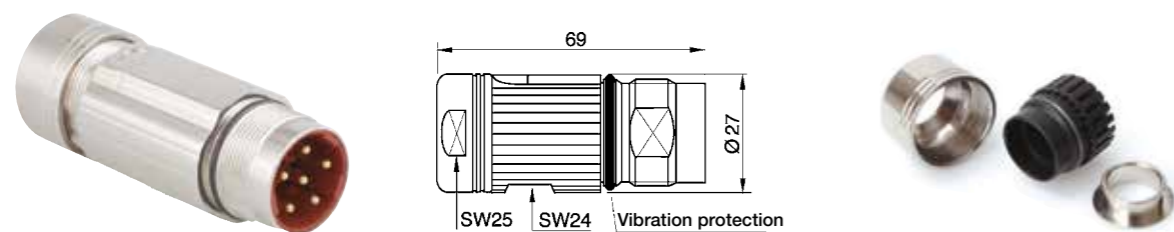


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT0179623	E type 6-pole	6x2.0	0.35-2.5			9.5-14.5	C+3
MAT0179624	E type 8-pole	4x2.0	0.35-2.5	4x1.0	0.14-1.0	9.5-14.5	C+3
MAT0179625	E type 9-pole	4x2.0	0.35-2.5	5x1.0	0.14-1.0	9.5-14.5	C+3

Coupling with central attachment (Metal construction, EMC shielding)

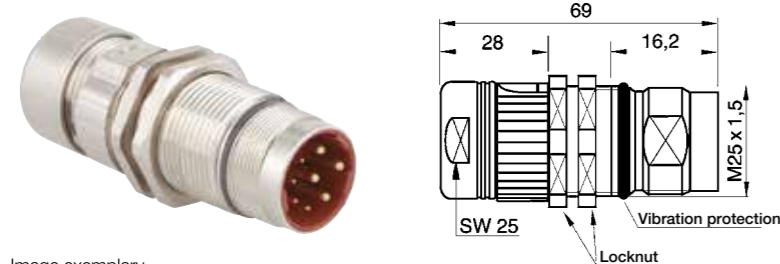


Image exemplary.

The coupling with central attachment is harnessed with the above-mentioned contacts, insulation bodies and cable clamp. The technical specifications apply accordingly.

Part no.	Number of poles	Crimping tool + insert
MAT0179626	6	C+3
MAT0179627	8	C+3
MAT0179628	9	C+3

Crimping tools and inserts ► page 732



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Power coupling [6 to 9-pole] nickel-plated (Metal work, EMC shielding)

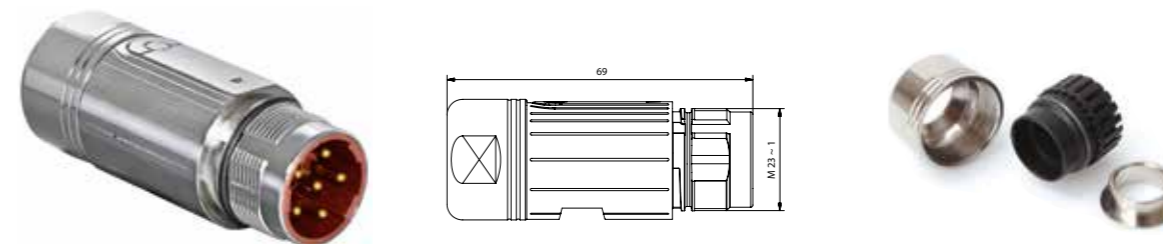


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01723487	E type 6-pole	6x2.0	0.35-2.5			9.5-14.5	C+3
MAT01723488	E type 8-pole	4x2.0	0.35-2.5	4x1.0	0.14-1.0	9.5-14.5	C+3
MAT01723489	E type 9-pole	4x2.0	0.35-2.5	5x1.0	0.14-1.0	9.5-14.5	C+3

Coupling with central attachment (Metal construction, EMC shielding)

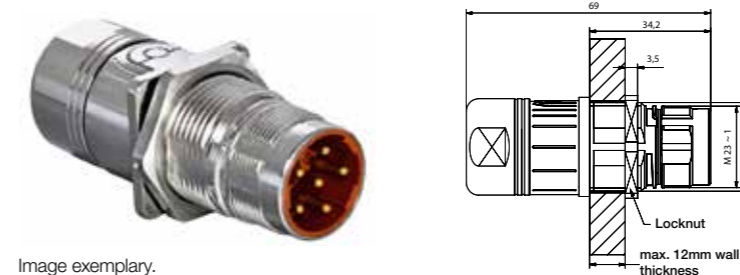


Image exemplary.

The coupling with central attachment is harnessed with the above-mentioned contacts, insulation bodies and cable clamp. The technical specifications apply accordingly.

Part no.	Number of poles	Crimping tool + insert
MAT01723490	6	C+3
MAT01723491	8	C+3
MAT01723492	9	C+3

Crimping tools and inserts ► page 732



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Power connector Size 1.5 [6, 8 and 9-pole]

Types

- Connector, angular connector
- Coupling
- Lead-through
- Straight installation box with flange
- Installation box angled and angled rotatable with flange

Number of poles insulation body

- 6, 8, 9

Technical data of the series C

Temperature range	-4 °F to +266 °F (-20 °C to +130 °C)
Protection class	IP 66/67 [plugged]

Electrical data power 6 to 19-pole

Max. continuous nominal current	75 A
Nominal voltage	630 V (AC/DC)
Testing voltage (L-L)	6000 V
Contact resistance	< 1 mΩ
Insertion cycles	> 50

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Degree of soiling	3
Over-voltage category	III
Max. installation height	6 562 ft (2 000 m)

Used materials

Housing	Magnesium die-casting/Aluminium
Coupling nut	Brass, nickel-plated
Insulation body	PA 6.6/PBT, UL 94/V0
Contacts	Brass, gold-plated
Seals	FPM/HNBR
Clamping ring	Brass, nickel-plated



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Power connector [6 to 9-pole], nickel-plated (Metal work, EMC shielding)

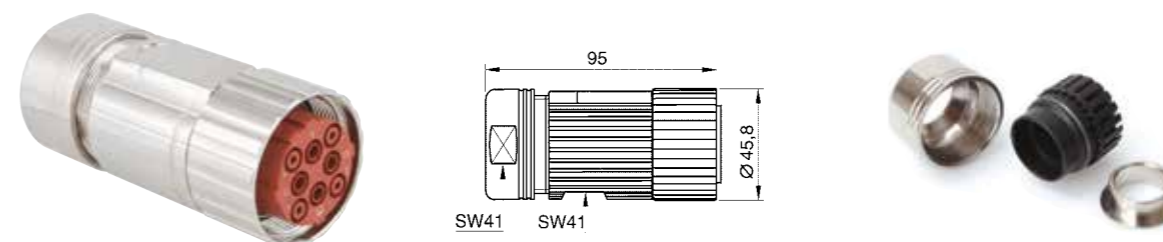


Image exemplary.

Part no.	Insulation body	HC-female crimping [mm]	Crimping area [mm ²]	HC-female crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT0179629	P type 6-pole	4x3.6	1.5-10.0	2x2.0	0.5-2.5	9.0-16.5	D+9 + C+2
MAT0179630	P type 8-pole	4x3.6	1.5-10.0	4x2.0	0.5-2.5	9.0-16.5	D+9 + C+2
MAT0179631	P type 9-pole	4x3.6	1.5-10.0	5x2.0	0.5-2.5	9.0-16.5	D+9 + C+2

Power coupling [6 to 9-pole] nickel-plated (Metal work, EMC shielding)

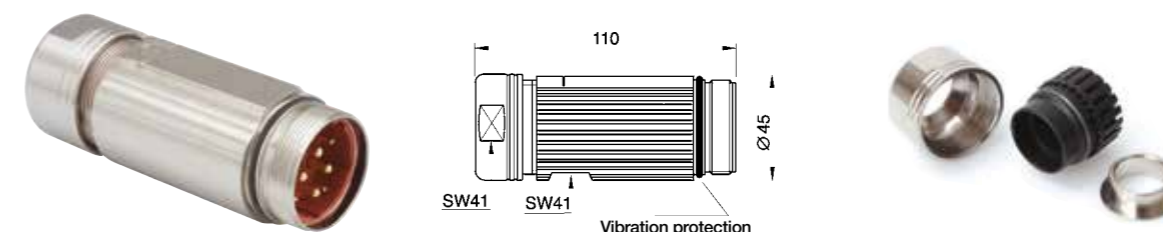


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT0179632	E type 6-pole	4x3.6	1.5-10.0	2x2.0	0.5-2.5	9.0-16.5	D+9 + C+3
MAT0179633	E type 8-pole	4x3.6	1.5-10.0	4x2.0	0.5-2.5	9.0-16.5	D+9 + C+3
MAT0179634	E type 9-pole	4x3.6	1.5-10.0	5x2.0	0.5-2.5	9.0-16.5	D+9 + C+3

Crimping tools and inserts ► page 732

... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com



Power connector [6 to 9-pole], nickel-plated (Metal work, EMC shielding)



Image exemplary.

Part no.	Insulation body	HC-female crimping [mm]	Crimping area [mm ²]	HC-female crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01723501	P type 6-pole	4x3.6	1.5-10.0	2x2.0	0.5-2.5	9.0-16.5	D+9 + C+2
MAT01723502	P type 8-pole	4x3.6	1.5-10.0	4x2.0	0.5-2.5	9.0-16.5	D+9 + C+2
MAT01723503	P type 9-pole	4x3.6	1.5-10.0	5x2.0	0.5-2.5	9.0-16.5	D+9 + C+2

Power coupling [6 to 9-pole], nickel-plated (Metal work, EMC shielding)

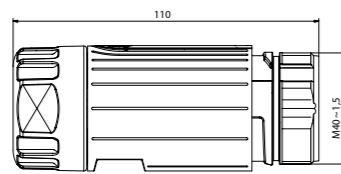


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01723504	E type 6-pole	4x3.6	1.5-10.0	2x2.0	0.5-2.5	9.0-16.5	D+9 + C+3
MAT01723505	E type 8-pole	4x3.6	1.5-10.0	4x2.0	0.5-2.5	9.0-16.5	D+9 + C+3
MAT01723506	E type 9-pole	4x3.6	1.5-10.0	5x2.0	0.5-2.5	9.0-16.5	D+9 + C+3

Crimping tools and inserts ► page 732


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Power connector
Size 3 [6 and 9-pole]

Types

- Connector
- Coupling
- Straight installation box with flange
- Angled installation box with flange

Number of poles insulation body

- 6, 8

Technical data of the series D

Temperature range	-4 °F to +266 °F (-20 °C to +130 °C)
Protection class	IP 66/67 [plugged]

Electrical data power 6 and 8-pole

Max. continuous nominal current	max. 150 A
Nominal voltage	630 V (AC/DC)
Testing voltage (L-L)	6000 V
Contact resistance	< 90 mΩ
Insertion cycles	> 50

Electrical data Signal contacts

Max. continuous nominal current	12 A
Nominal voltage	250 V (AC/DC)
Testing voltage (L-L)	4000 V
Contact resistance	< 5 mΩ
Insertion cycles	> 50

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Degree of soiling	3
Over-voltage category	III
Max. installation height	6 562 ft (2 000 m)

Used materials

Housing	Zinc die-casting, nickel-plated
Coupling nut	Brass, nickel-plated
Insulation body	PA 6.6/PBT, UL 94/V0
Contacts	Brass, silver-/gold-plated
Seals	FPM
Clamping ring	Aluminium, nickel-plated



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Power connector [6 and 8-pole] nickel-plated (Metal work, EMC shielding)

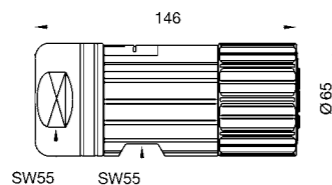


Image exemplary.

Part no.	Insulation body	Female crimping (power) [mm]	Crimping area [mm ²]	Female crimping (signal) [mm]	Crimping area [mm ²]	Clamping area* [mm]	Crimping tool + insert
MAT0179635	P type 6-pole	4x10.0	10.0	2x1.6	1.5	17.0-36.0	E+10 + C+7
MAT0179636	P type 8-pole	4x10.0	10.0	4x1.6	1.5	17.0-36.0	E+10 + C+7

Power coupling [6 and 8-pole] nickel-plated (Metal work, EMC shielding)

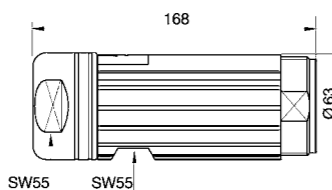


Image exemplary.

Part no.	Insulation body	Female crimping (power) [mm]	Crimping area [mm ²]	Female crimping (signal) [mm]	Crimping area [mm ²]	Clamping area* [mm]	Crimping tool + insert
MAT0179637	E type 6-pole	4x10.0	10.0	2x1.6	1.5	17.0-36.0	E+10 + C+8
MAT0179638	E type 8-pole	4x10.0	10.0	4x1.6	1.5	17.0-36.0	E+10 + C+8

* Crown clamp

Crimping tools and inserts ► page 732


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Series 615 Signal- [12-pole] and Series 915 power connection [9-pole] – Plastic- / metal clamping ring

Types

- Connector, plastic or metal clamping ring
- Coupling, plastic or metal clamping ring

Number of poles insulation body

- Signal: 12
- Power: 9

Technical data of the Series 615/915 Springtec

Temperature range	-4 °F to +266 °F (-20 °C to +130 °C)
Protection class	IP 66/67 [plugged]

Electrical data signal 12-pole

Max. continuous nominal current	3.6 A
Nominal voltage	63 V (AC /DC)
Testing voltage (L-L)	1500 V
Contact resistance	< 15 mΩ
Insertion cycles	> 50

Electrical data Power 9-pole

Max. continuous nominal current	2.5 mm ² : 20 A
Nominal voltage	630 V (AC /DC)
Testing voltage (L-L)	6000 V
Contact resistance	< 5 mΩ
Insertion cycles	> 50

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Degree of soiling	3
Over-voltage category	III
Max. installation height	6 562 ft (2 000 m)

Used materials

Housing	Zinc die-casting,/brass, nickel-plated and plastic coated
Union nut	PA modif., 30% Gf.
Insulation body	PA/PBT, UL 94/V0
Contacts	Brass, gold-plated
Seals	FPM / EPDM
Clamping ring	Brass, nickel-plated / PA modif., 30% Gf.

... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Signal connector [12-pole], (Plastic clamping ring, EMC-shielding)

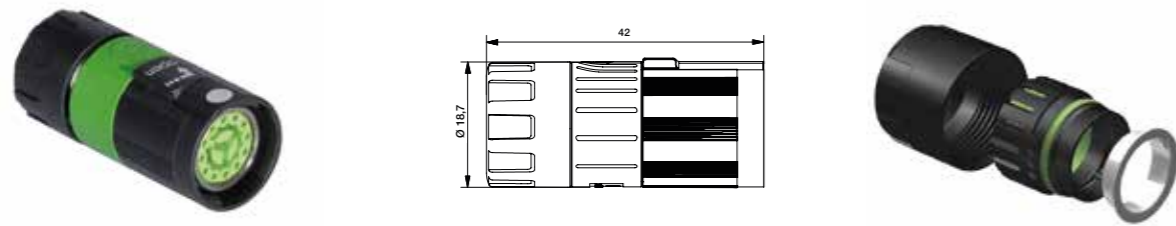


Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730633	P type 12-pole 	12 x 1 	0.1-0.75	4.5-6.5	C + 14
MAT01730634	P type 12-pole 	12 x 1 	0.1-0.75	6.5-8.5	C + 14
MAT01730635	P type 12-pole 	12 x 1 	0.1-0.75	8.5-10.5	C + 14

Signal connector [12-pole], nickel-plated (Metal clamping ring, EMC-shielding)

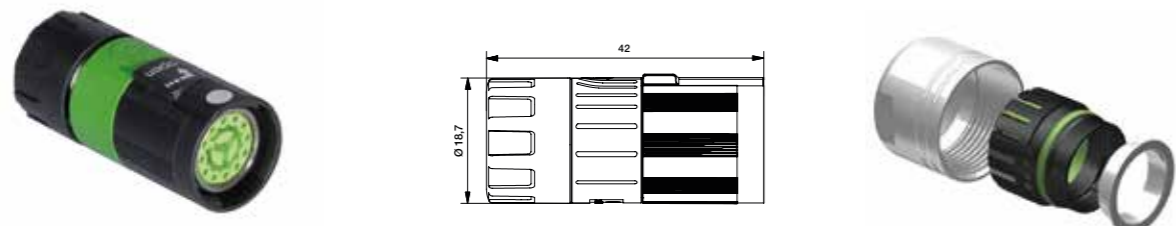


Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730636	P type 12-pole 	12 x 1 	0.1-0.75	4.5-6.5	C + 14
MAT01730637	P type 12-pole 	12 x 1 	0.1-0.75	6.5-8.5	C + 14
MAT01730638	P type 12-pole 	12 x 1 	0.1-0.75	8.5-10.5	C + 14

Crimping tools and inserts ► page 732



Signal connector [12-pole], nickel-plated (Metal clamping ring, EMC-shielding)

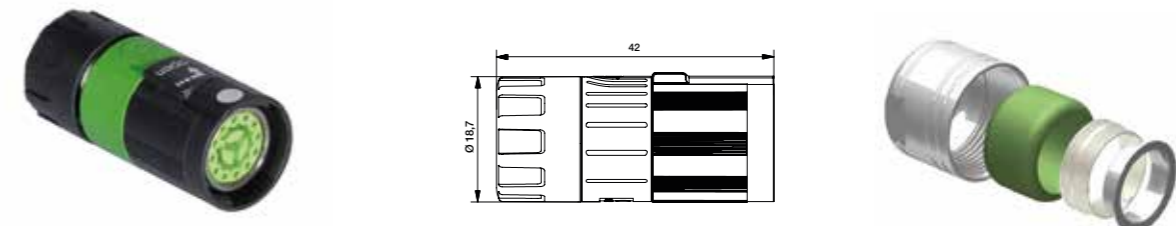




Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730639	P type 12-pole 	12 x 1 	0.1-0.75	10.5-12.5	C + 14

Signal coupling [12-pole], (Plastic clamping ring, EMC-shielding)

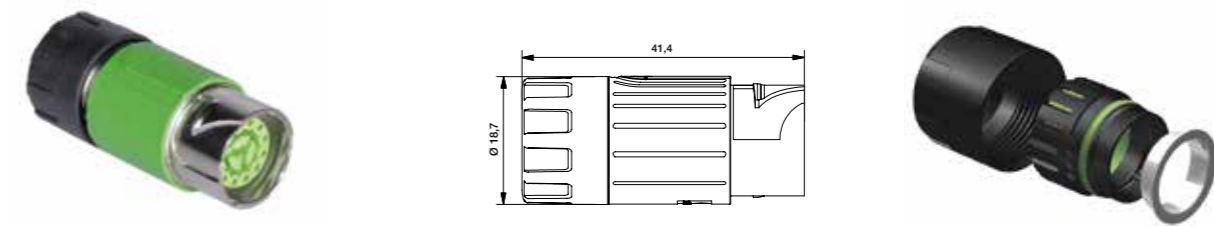


Image exemplary.

Part no.	Insulation body	Male crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730640	E type 12-pole 	12 x 1 	0.1-0.75	4.5-6.5	C + 14
MAT01730641	E type 12-pole 	12 x 1 	0.1-0.75	6.5-8.5	C + 14
MAT01730642	E type 12-pole 	12 x 1 	0.1-0.75	8.5-10.5	C + 14

Crimping tools and inserts ► page 732



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Signal coupling [12-pole], nickel-plated (Metal clamping ring, EMC-shielding)

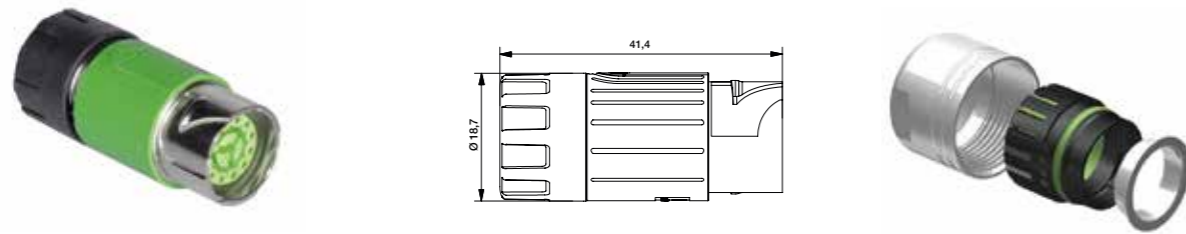


Image exemplary.

Part no.	Insulation body	Male crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730643	E type 12-pole	12 x 1	0.1-0.75	4.5-6.5	C + 14
MAT01730644	E type 12-pole	12 x 1	0.1-0.75	6.5-8.5	C + 14
MAT01730645	E type 12-pole	12 x 1	0.1-0.75	8.5-10.5	C + 14

Signal coupling [12-pole], nickel-plated (Metal clamping ring, EMC-shielding)

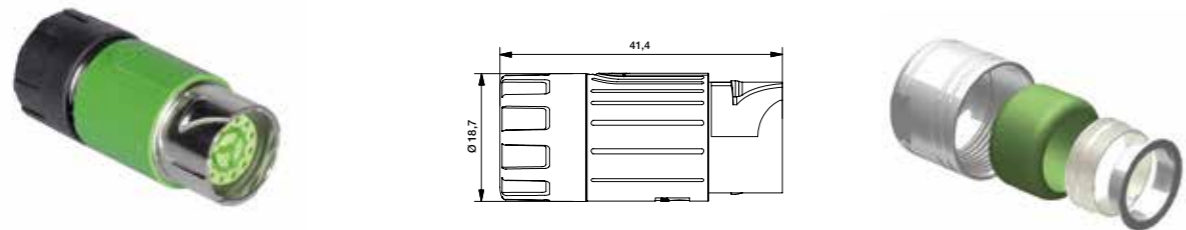


Image exemplary.

Part no.	Insulation body	Male crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730646	E type 12-pole	12 x 1	0.1-0.75	10.5-12.5	C + 14

Power connector [9-pole], (Plastic clamping ring, EMC-shielding)

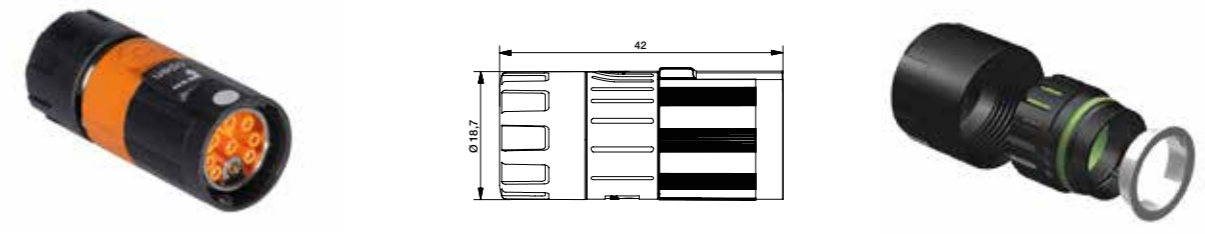


Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730647	P type 9-pole	4 x 1	0.5-0.15	5 x 1	0.1-0.75	4.5-6.5	C + 14
MAT01730648	P type 9-pole	4 x 1	0.5-0.15	5 x 1	0.1-0.75	6.5-8.5	C + 14
MAT01730649	P type 9-pole	4 x 1	0.5-0.15	5 x 1	0.1-0.75	8.5-10.5	C + 14

Power connector [9-pole], nickel-plated (Metal clamping ring, EMC-shielding)

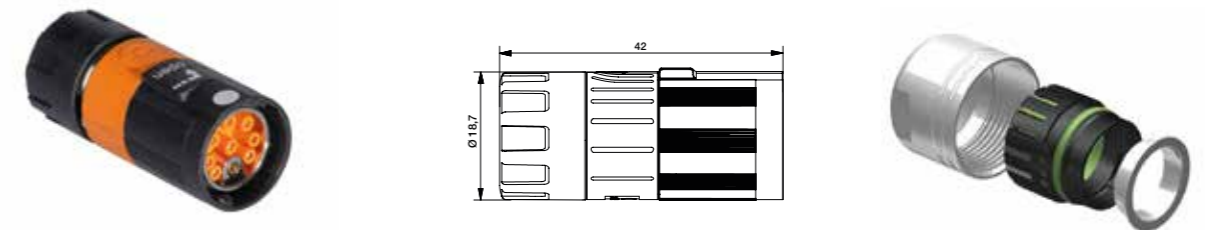


Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730650	P type 9-pole	4 x 1	0.5-0.15	5 x 1	0.1-0.75	4.5-6.5	C + 14
MAT01730651	P type 9-pole	4 x 1	0.5-0.15	5 x 1	0.1-0.75	6.5-8.5	C + 14
MAT01730652	P type 9-pole	4 x 1	0.5-0.15	5 x 1	0.1-0.75	8.5-10.5	C + 14

Crimping tools and inserts ► page 732



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Crimping tools and inserts ► page 732



... no minimum order quantity ...

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Power connector [9-pole], nickel-plated (Metal clamping ring, EMC-shielding)

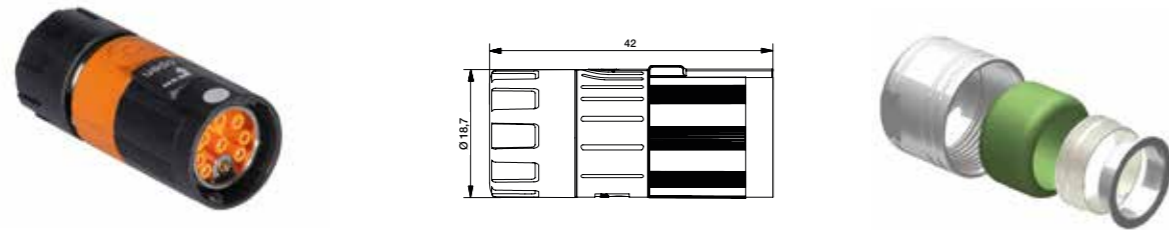




Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730653	P type 9-pole 	4 x 1 	0.5-0.15	5 x 1	0.1-0.75	10.5-12.5	C + 14

Power coupling [9-pole], (Plastic clamping ring, EMC-shielding)

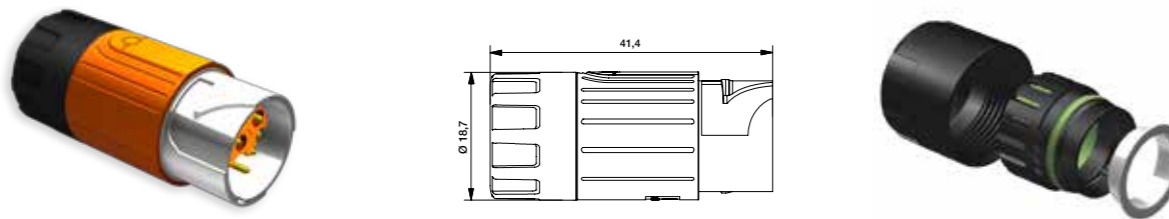








Image exemplary.

Part no.	Insulation body	Male crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730654	E type 9-pole 	4 x 1 	0.5-0.15	5 x 1	0.1-0.75	4.5-6.5	C + 14
MAT01730655	E type 9-pole 	4 x 1 	0.5-0.15	5 x 1	0.1-0.75	6.5-8.5	C + 14
MAT01730656	E type 9-pole 	4 x 1 	0.5-0.15	5 x 1	0.1-0.75	8.5-10.5	C + 14

Power coupling [9-pole], nickel-plated (Metal clamping ring, EMC-shielding)

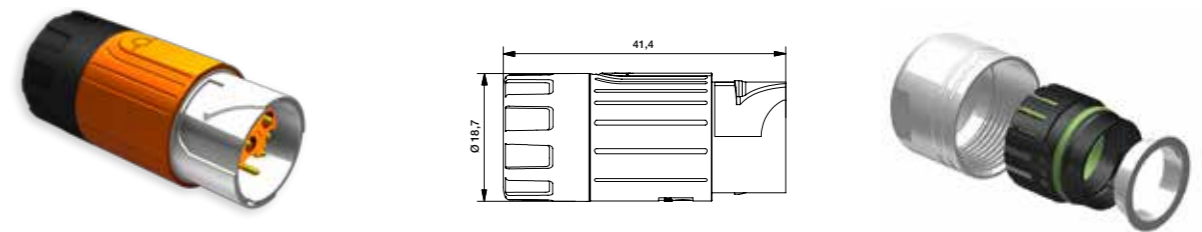








Image exemplary.

Part no.	Insulation body	Male crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730657	E type 9-pole 	4 x 1 	0.5-0.15	5 x 1	0.1-0.75	4.5-6.5	C + 14
MAT01730658	E type 9-pole 	4 x 1 	0.5-0.15	5 x 1	0.1-0.75	6.5-8.5	C + 14
MAT01730659	E type 9-pole 	4 x 1 	0.5-0.15	5 x 1	0.1-0.75	8.5-10.5	C + 14

Power coupling [9-pole], nickel-plated (Metal clamping ring, EMC-shielding)

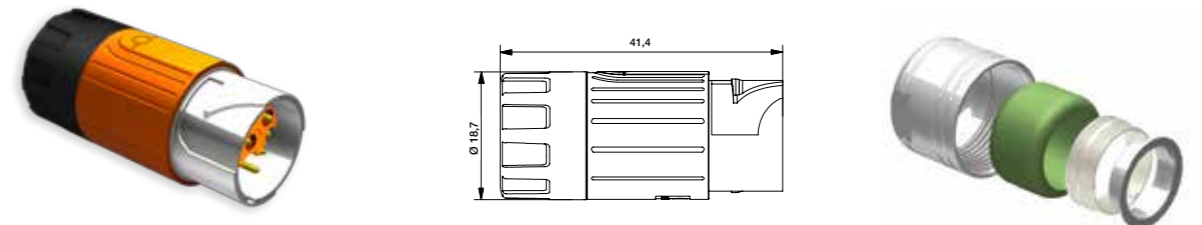




Image exemplary.

Part no.	Insulation body	Male crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area [mm]	Crimping tool + insert
MAT01730660	E type 9-pole 	4 x 1 	0.5-0.15	5 x 1	0.1-0.75	10.5-12.5	C + 14

Crimping tools and inserts ► page 732



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Crimping tools and inserts ► page 732



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Signal and power connector
M17 signal- [17-pole] and power connector [4 to 9-pole]

Types

- Connector, standard and push-pull version
- Coupling, standard or with central attachment
- Straight installation box with flange
- Installation box straight, connecting thread M17 x 0.75
- Installation box angled, turnable with flange
- Installation box angled and angled rotatable with flange

Number of poles insulation body

- Signal: 17
- Power: 4, 7, 9

Technical data of the series M17

Temperature range	-4 °F to +266 °F (-20 °C to +130 °C)
Protection class	IP 66/67 [plugged]

Electrical data signal 17-pole

Max. continuous nominal current	3.6 A
Nominal voltage	63 V (AC /DC)
Testing voltage (L-L)	1500 V
Contact resistance	< 15 mΩ
Insertion cycles	> 50

Electrical data Power 4 and 7-pole

	4-pole	7-pole
Max. continuous nominal current	2.5 mm ² : 20 A	1 mm ² : 10 A 1,5 mm ² : 14 A
Nominal voltage	630 V (AC /DC)	630 V (AC /DC)
Testing voltage (L-L)	6000 V	6000 V
Contact resistance	< 5 mΩ	< 5 mΩ
Insertion cycles	> 50	> 50

Electrical data Power 9-pole

Max. continuous nominal current	Signal: 3.6 A	Power: 14 A
Nominal voltage	Signal: 63 V [AC/DC]	Power: 630 V [AC/DC]
Testing voltage (L-L)	Signal: 1500 V	Power: 6000 V
Contact resistance	Signal: < 15 mΩ	Power: < 5 mΩ
Insertion cycles	> 50	

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Degree of soiling	3
Over-voltage category	III
Max. installation height	6 562 ft (2 000 m)

Used materials

Housing	Zinc die-casting/brass, nickel-plated
Union nut	Brass, nickel-plated
Insulation body	PBT, UL 94/V0
Contacts	Brass, gold-plated
Seals	FPM
Clamping ring	Brass, nickel-plated



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... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Signal connector [17-pole], nickel-plated (Metal work, EMC-shielding)

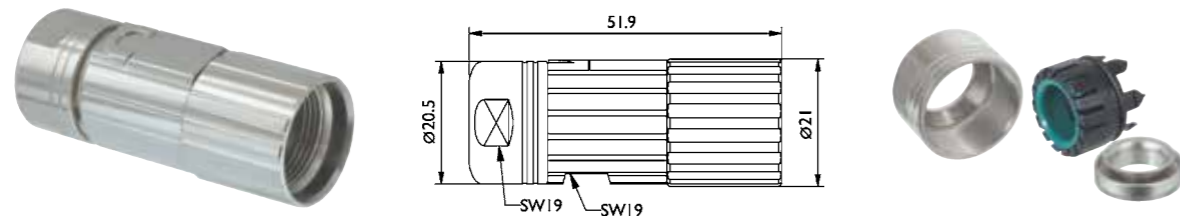


Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area** [mm]	Crimping tool + insert
MAT0179639	P type 17-pole	17x0.6	0.14-0.5			9.5-12.0	B

Power connector [4 to 9-pole], nickel-plated (Metal work, EMC shielding)

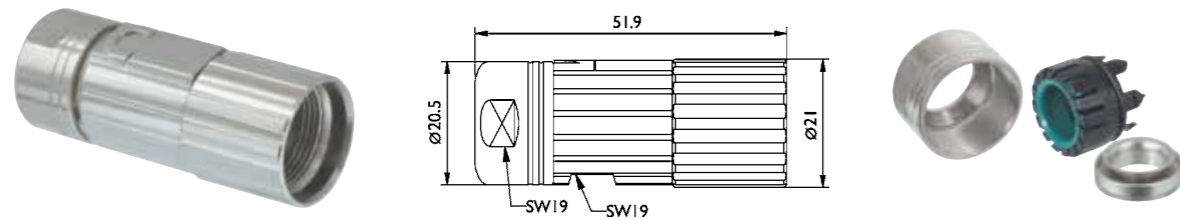


Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area** [mm]	Crimping tool + insert
MAT0179641	P type 4-pole	4x1.5	0.35-2.5	1x2.0	0.35-2.5	9.5-12.0	C+1
MAT0179643	P type 7-pole	7x1.0*	0.5-1.5			9.5-12.0	A
MAT0179645	P type 9-pole	4x1.0*	0.5-1.5	5x0.6	0.14-0.5	9.5-12.0	A+B

* HC female crimping
** Crown clamp

Crimping tools and inserts ► page 732



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Signal connector [17-pole], nickel-plated (Metal work, EMC-shielding)

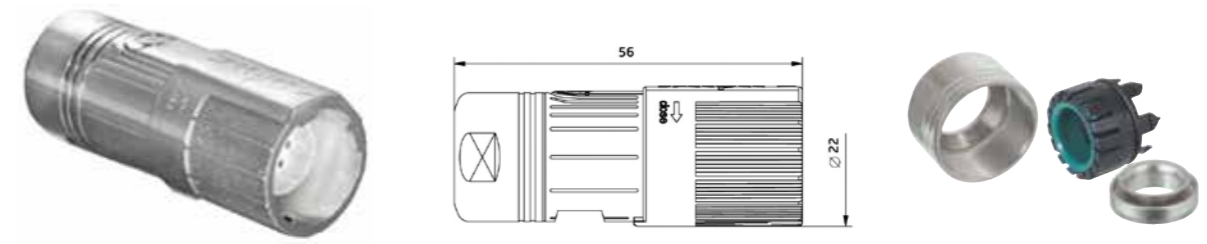


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area** [mm]	Crimping tool + insert
MAT01723493	P type 17-pole	17x0.6	0.14-0.5			9.5-12.0	B

Power connector [4 to 9-pole], nickel-plated (Metal work, EMC shielding)

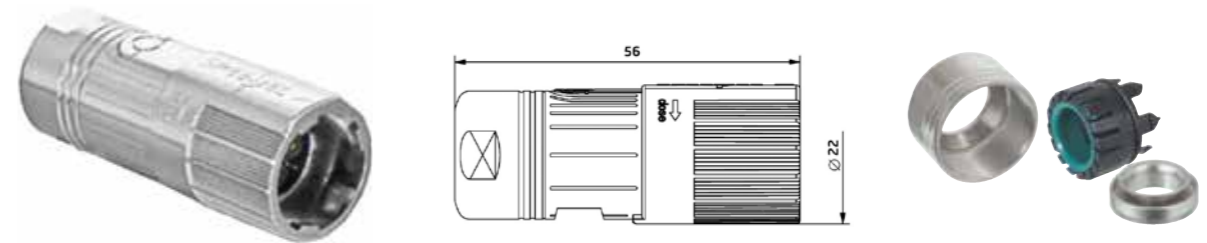


Image exemplary.

Part no.	Insulation body	Female crimping slitted [mm]	Crimping area [mm ²]	Female crimping slitted [mm]	Crimping area [mm ²]	Clamping area** [mm]	Crimping tool + insert
MAT01723495	P type 4-pole	4x1.5	0.35-2.5	1x2.0	0.35-2.5	9.5-12.0	C+1
MAT01723497	P type 7-pole	7x1.0*	0.5-1.5			9.5-12.0	A
MAT01723499	P type 9-pole	4x1.0*	0.5-1.5	5x0.6	0.14-0.5	9.5-12.0	A+B

* HC female crimping
** Crown clamp

Crimping tools and inserts ► page 732



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Signal coupling [17-pole], nickel-plated (Metal work, EMC shielding)

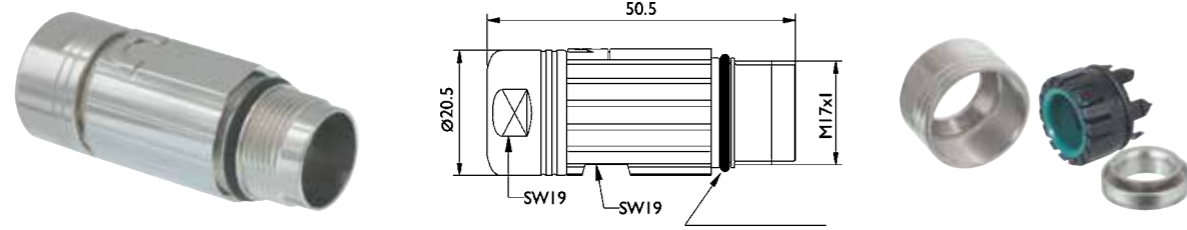


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area* [mm]	Crimping tool + insert
MAT0179640	E type 17-pole	17x0.6	0.14-0.5			9.5-12.0	B

Power coupling [4 to 9-pole], nickel-plated (Metal work, EMC shielding)

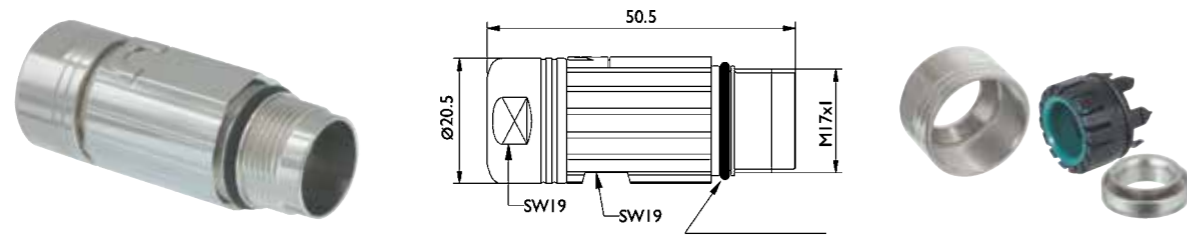


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area* [mm]	Crimping tool + insert
MAT0179642	E type 4-pole	4x1.5	0.35-2.5	1x2.0	0.35-2.5	9.5-12.0	C+6
MAT0179644	E type 7-pole	7x1.0	0.5-1.5			9.5-12.0	A
MAT0179646	E type 9-pole	4x1.0	0.5-1.5	5x0.6	0.14-0.5	9.5-12.0	A+B

* Crown clamp

Crimping tools and inserts ► page 732



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Signal coupling [17-pole], nickel-plated (Metal work, EMC shielding)

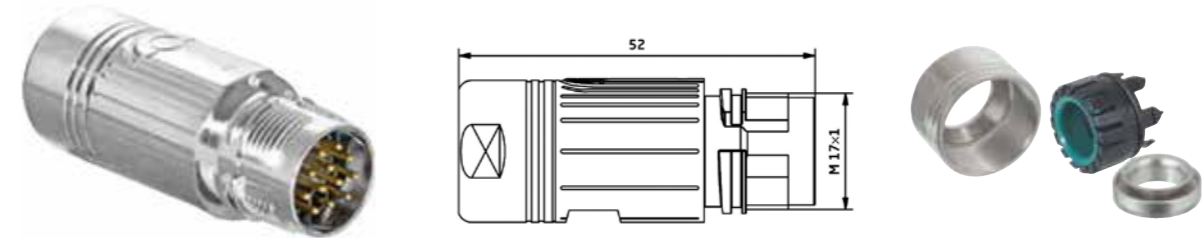


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area* [mm]	Crimping tool + insert
MAT01723494	E type 17-pole	17x0.6	0.14-0.5			9.5-12.0	B

Power coupling [4 to 9-pole], nickel-plated (Metal work, EMC shielding)

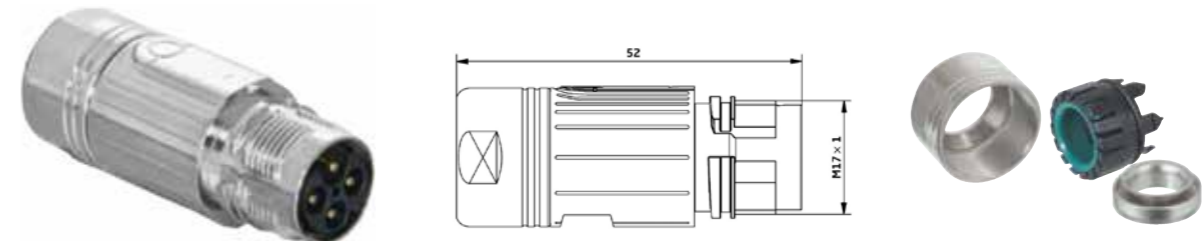


Image exemplary.

Part no.	Insulation body	Male crimping [mm]	Crimping area [mm ²]	Male crimping [mm]	Crimping area [mm ²]	Clamping area* [mm]	Crimping tool + insert
MAT01723496	E type 4-pole	4x1.5	0.35-2.5	1x2.0	0.35-2.5	9.5-12.0	C+6
MAT01723498	E type 7-pole	7x1.0	0.5-1.5			9.5-12.0	A
MAT01723500	E type 9-pole	4x1.0	0.5-1.5	5x0.6	0.14-0.5	9.5-12.0	A+B

* Crown clamp

Crimping tools and inserts ► page 732



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

Power connector 1-pole

Types

- Connector
- Coupling
- Straight installation box with flange

Number of poles insulation body

- 1

Technical data of the series S

Temperature range	-4 °F to +266 °F (-20 °C to +130 °C)
Protection class	IP 66/67 [plugged]

Electrical data Power

Nominal voltage	630 V (AC/DC)
Testing voltage (L-L)	8000 V
Contact resistance	< 110 mΩ
Insertion cycles	> 50
Max. continuous nominal current	
At terminal cross-section 10 mm ² :	80 A
At terminal cross-section 16 mm ² :	100 A
At terminal cross-section 25 mm ² :	130 A
At terminal cross-section 35 mm ² :	160 A
At terminal cross-section 50 mm ² :	200 A

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Degree of soiling	3 [2]
Over-voltage category	IV
Max. installation height	6 562 ft (2 000 m)

Used materials

Housing	Zinc die-casting/brass, nickel-plated
Coupling nut	Brass, nickel-plated
Insulation body	PA 6.6mod., UL 94/V0
Contacts	Brass, silver-plated
Seals	FPM
Clamping ring	Brass, nickel-plated

Power connector [1-pole], nickel-plated (Metal construction, EMC shielding)

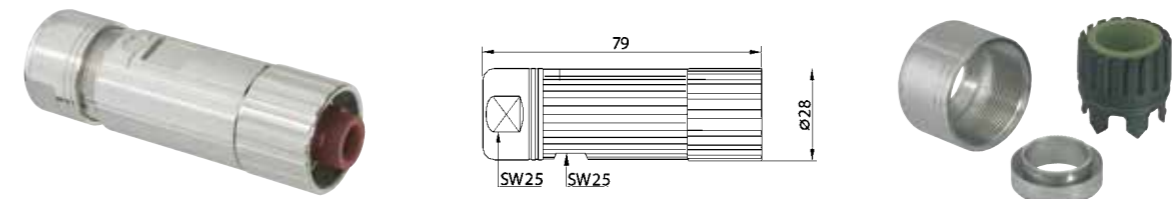


Image exemplary.

Part no.	Insulation body	Female crimping [mm]	Crimping area [mm ²]	Female crimping [mm]	Crimping area [mm ²]	Clamping area* [mm]	Crimping tool + insert
MAT0179669	P type 1-pole	1x8.0	10.0			9.5-14.5	E+10

Power coupling [1-pole], nickel-plated (Metal construction, EMC shielding)



Image exemplary.

Part no.	Insulation body	Female crimping [mm]	Crimping area [mm ²]	Female crimping [mm]	Crimping area [mm ²]	Clamping area* [mm]	Crimping tool + insert
MAT0179670	E type 1-pole	1x8.0	10.0	2x1.6		9.5-14.5	E+10

* Crown clamp



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- Custom article numbers/labeling possible on each package
- Price: benefit from the consolidated demand of our customers
- Purchasing: only 1 order number, everything from a single source
- QA: only one incoming inspection
- Internal logistics: only one storage location, fast identification

Talk to us! We advise you!



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Service life calculation, configuration and more information at ► www.chainflex.com

Crimping tool for SERIES A and B



Hand crimping tool
for Ø 1 mm contacts
up to core cross section 1 mm²
complete with positioning insert

A

MAT01710294



Positioning insert
for Ø 0.6 mm
contacts

MAT0179467

Crimping tool for SERIES M17



Hand crimping tool
for Ø 0.6 mm contacts
up to core cross section 0.5 mm²
complete with positioning insert

B

MAT0178919

Alternative crimping tool for A or C



4-thorn crimping tool
for core cross section Ø 0.14 mm² - 6.0 mm²

delivered with locator
On request

MAT01713970

Crimping tool for SERIES A, B, C and M17



Hand crimping tool
for Ø 1 mm and Ø 2 mm contacts
up to core cross section 4 mm²
inclusive of positioning carrier

C

MAT0175736



Positioning insert
for Ø 1 mm contacts

MAT0178195



Positioning insert
for Ø 2 mm contacts

MAT0178196



Positioning insert
for Ø 1 mm and Ø 2 mm
contacts

MAT0177855



Positioning insert
for Ø 2 mm contacts

MAT01714573



Positioning insert
for Ø 1.5 mm contacts

MAT01714574



Positioning insert
for Ø 0.5 - 2.5 mm
contacts

MAT0178920



Positioning insert
for Ø 1.6 mm contacts

MAT0177853



Positioning insert
for Ø 1.6 mm contacts

MAT01714575



Positioning insert
for Ø 1.0 mm contacts
Y-Tec

MAT01724301

Crimping tool for SERIES C



Hand crimping tool
for Ø 3.6 mm contacts
up to core cross section 16 mm²
inclusive of positioning carrier

D

MAT0179194



Positioning insert
for Ø 3.6 mm contacts

MAT0179195

Crimping tool for SERIES C



Pneumatic crimping tool
for Ø 3.6 mm and
Ø 2.0 mm contacts
Core cross section 1.5 - 16 mm²

Crimping insert for pneumatic crimping tool



Contact	Pin Ø 2.0 mm Socket Ø 3.6 mm	Pin Ø 3.6 mm Socket Ø 3.6 mm	Pin Ø 3.6 mm Socket Ø 3.6 mm	Pin Ø 3.6 mm Socket Ø 3.6 mm
Crimp area	1.5/2.5 mm ² 1.5/2.5 mm ²	4.0/6.0 mm ²	10.0 mm ²	16.0 mm ²

Locator for pneumatic crimping tool



Contact	Pin Ø 2.0 mm Socket Ø 2.0 mm	Pin Ø 3.6 mm Socket Ø 3.6 mm	Pin Ø 3.6 mm Socket Ø 3.6 mm
Crimp area	1.5/2.5 mm ² 1.5/2.5 mm ²	1.5 - 10.0 mm ²	1.5 - 16.0 mm ²

Crimping insert for SERIES S and D



Battery-powered crimping tool, B131-C

MAT0177854



Crimping jaws
up to 10 mm², 16 mm²

MAT01713679



Crimping jaws
up to 25 mm²

MAT01713678



Crimping jaws
up to 35 mm²

MAT01713677



Crimping jaws
up to 50 mm²

MAT01713676

FCT | Connectors SUB-D

Signal connector
SUB-D standard [9 to 44-pole]

Types

- Connector, standard and angular connector

Number of poles insulation body

- Standard 9, 15, 25
- High Density 15, 26, 44

Technical data of the series S

Temperature range -4 °F to 212 °F (-35 °C to +100 °C)

Electrical data

Max. continuous nominal current 5 A
 Testing voltage (L-L) 1200 V
 Contact resistance $10^{16} \Omega/\text{cm}$
 Insertion cycles 50

Used materials

Housing Zinc die-casting, nickel-plated
 Insulation body Glass fibre reinforced polyester
 Contacts Copper alloy, flash gold-plated

FCT | Connectors SUB-D



Size 1 9-pole - HD15-pole
Order no.

MAT01716504



Solder contact pin
9-pole standard

Metal hood, straight



Size 1 9-pole - HD15-pole
Order no.

MAT01716505

Solder contact socket
9-pole standard

Metal hood, straight



Size 1 9-pole - HD15-pole
Order no.

MAT01716506

Solder contact pin
HighDensity 15-pole

Metal hood, straight



Size 1 9-pole - HD15-pole
Order no.

MAT01716507

Solder contact socket
HighDensity 15-pole

Metal hood, straight



Size 1 9-pole - HD15-pole
Order no.

MAT01716508

Solder contact pin
9-pole standard

Metal hood, angled



Size 1 9-pole - HD15-pole
Order no.

MAT01716509

Solder contact socket
9-pole standard

Metal hood, angled



Size 1 9-pole - HD15-pole
Order no.

MAT01716510

Solder contact pin
HighDensity 15-pole

Metal hood, angled



Size 1 9-pole - HD15-pole
Order no.

MAT01716511

Solder contact socket
HighDensity 15-pole

Metal hood, angled



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FCT | Connectors SUB-D



Size 2 15-pole - HD26-pole
Order no.

MAT01716512



Solder contact pin
15-pole standard

Metal hood, straight



Solder contact socket
15-pole standard

Metal hood, straight

Size 2 15-pole - HD26-pole
Order no.

MAT01716513



Solder contact pin
HighDensity 26-pole

Metal hood, straight

Size 2 15-pole - HD26-pole
Order no.

MAT01716514



Solder contact socket
HighDensity 26-pole

Metal hood, straight

Size 2 15-pole - HD26-pole
Order no.

MAT01716515



Size 2 15-pole - HD26-pole
Order no.

MAT01716516



Solder contact pin
15-pole standard

Metal hood, angled



Solder contact socket
15-pole standard

Metal hood, angled

Size 2 15-pole - HD26-pole
Order no.

MAT01716517



Solder contact pin
HighDensity 26-pole

Metal hood, angled

Size 2 15-pole - HD26-pole
Order no.

MAT01716518



Solder contact socket
HighDensity 26-pole

Metal hood, angled

Size 2 15-pole - HD26-pole
Order no.

MAT01716519

FCT | Connectors SUB-D



Size 3 25-pole - HD44-pole
Order no.

MAT01716520



Solder contact pin
25-pole standard

Metal hood, straight



Solder contact socket
25-pole standard

Metal hood, straight

Size 3 25-pole - HD44-pole
Order no.

MAT01716521



Solder contact pin
HighDensity 44-pole

Metal hood, straight

Size 3 25-pole - HD44-pole
Order no.

MAT01716522



Solder contact socket
HighDensity 44-pole

Metal hood, straight

Size 3 25-pole - HD44-pole
Order no.

MAT01716523



Size 3 25-pole - HD44-pole
Order no.

MAT01716524



Solder contact pin
25-pole standard

Metal hood, angled



Solder contact socket
25-pole standard

Metal hood, angled

Size 3 25-pole - HD44-pole
Order no.

MAT01716525



Solder contact pin
HighDensity 44-pole

Metal hood, angled

Size 3 25-pole - HD44-pole
Order no.

MAT01716526



Solder contact socket
HighDensity 44-pole

Metal hood, angled

Size 3 25-pole - HD44-pole
Order no.

MAT01716527



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Technical data

Temperature range -4 °F to 248 °F (-20 °C to +120 °C)

Electrical data

Max. continuous nominal current 2.1 A (158 °F), power contacts

Insertion cycles 1,000

















Delivery program Yamaichi Y-CONKIT

Delivery program	igus® Part No.	Number of poles	Protection class
Housing PA66			
Y-CONKIT 10	MAT01719769	4 (Ethernet)	IP20
Y-CONKIT 11	MAT0176641	4 (Ethernet) + 2 (Power)	IP20
Housing Zinc die-casting			
Y-CONKIT 17	MAT01719770	4 (Ethernet)	IP20
Y-CONKIT 15	MAT01719236	4 (Ethernet) + 2 (Power)	IP20
Housing Plastic PBT, UL94V-0			
Y-CONKIT 20	MAT01719771	4 (Ethernet)	IP67/68/69K
Y-CONKIT 21	MAT0176759	4 (Ethernet) + 2 (Power)	IP67/68/69K
Housing Zinc die-casting			
Y-CONKIT 40	MAT01719772	4 (Ethernet)	IP67/68/69K
Y-CONKIT 40-E	MAT01719773	4 (Ethernet)	IP67/68/69K
Y-CONKIT 41	MAT01717218	4 (Ethernet) + 2 (Power)	IP67/68/69K
Y-CONKIT 41-E	MAT01718801	4 (Ethernet) + 2 (Power)	IP67/68/69K

Delivery program Yamaichi Y-CONKIT accessoires

















Delivery program	igus® Part No.
Crimping tool	
Y-ConTool-11	MAT0176447
Cable dismantle tool	
	MAT01719767
Assembling aid	
Y-ConTool-30	MAT01717349



HARTING Connectors sets, pin				
Part No.	Cable inlet	Insert	Pin insert HARTING Part No.	Housing HARTING Part No.
Han 6B connector housing, straight cable inlet				
MAT90489802.U	M20	6+PE	09330062601	19300061440
Han 6B connector housing, angled cable inlet				
MAT90489804.U	M20	6+PE	09330062601	19300061540
Han 10B connector housing, straight cable inlet				
MAT90489806.U	M25	10+PE	09330102601	19300101441
Han 10B connector housing, angled cable inlet				
MAT90489808.U	M25	10+PE	09330102601	19300101541
Han 16B connector housing, straight cable inlet				
MAT90489810.U	M25	16+PE	09330162601	19300161441
Han 16B connector housing, angled cable inlet				
MAT90489812.U	M25	16+PE	09330162601	19300161541
Han 24B connector housing, straight cable inlet				
MAT90489814.U	M32	24+PE	09330242601	19300241442
Han 24B connector housing, angled cable inlet				
MAT90489816.U	M32	24+PE	09330242601	19300241542

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HARTING Connector sets, socket				
Part No.	Cable inlet	Insert	Socket-inserts HARTING Part No.	Housing HARTING Part No.
Han 6B connector housing, straight cable inlet				
MAT90489803.U	M20	6+PE	09330062701	19300061440
Han 6B connector housing, angled cable inlet				
MAT90489805.U	M20	6+PE	09330062701	19300061540
Han 10B connector housing, straight cable inlet				
MAT90489807.U	M25	10+PE	09330102701	19300101441
Han 10B connector housing, angled cable inlet				
MAT90489809.U	M25	10+PE	09330102701	19300101541
Han 16B connector housing, straight cable inlet				
MAT90489811.U	M25	16+PE	09330162701	19300161441
Han 16B connector housing, angled cable inlet				
MAT90489813.U	M25	16+PE	09330162701	19300161541
Han 24B connector housing, straight cable inlet				
MAT90489815.U	M32	24+PE	09330242701	19300241442
Han 24B connector housing, angled cable inlet				
MAT90489817.U	M32	24+PE	09330242701	19300241542

... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

HARTING | Connector sets Premium (pin + socket)

HARTING Connector sets Premium, pin + socket						
Part No.	Cable inlet	Insert	Pin-insert HARTING Part No.	Socket-insert HARTING Part No.	Connector housing HARTING Part No.	Connector base HARTING Part No.
Han 6B connector housing and base, straight cable inlet						
MAT90489818.U	M20	6+PE	09330062601	09330062701	19300061440	19300061250
Han 6B connector housing and base, angled cable inlet						
MAT90489819.U	M20	6+PE	09330062601	09330062701	19300061540	19300061250
Han 10B connector housing and base, straight cable inlet						
MAT90489820.U	M25	10+PE	09330102601	09330102701	19300101441	19300101250
Han 10B connector housing and base, angled cable inlet						
MAT90489821.U	M25	10+PE	09330102601	09330102701	19300101541	19300101250
Han 16B connector housing and base, straight cable inlet						
MAT90489822.U	M25	16+PE	09330162601	09330162701	19300161441	19300161251
Han 16B connector housing and base, angled cable inlet						
MAT90489823.U	M25	16+PE	09330162601	09330162701	19300161541	19300161251
Han 24B connector housing and base, straight cable inlet						
MAT90489824.U	M32	24+PE	09330242601	09330242701	19300241442	19300241251
Han 24B connector housing and base, angled cable inlet						
MAT90489825.U	M32	24+PE	09330242601	09330242701	19300241542	19300241251

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... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

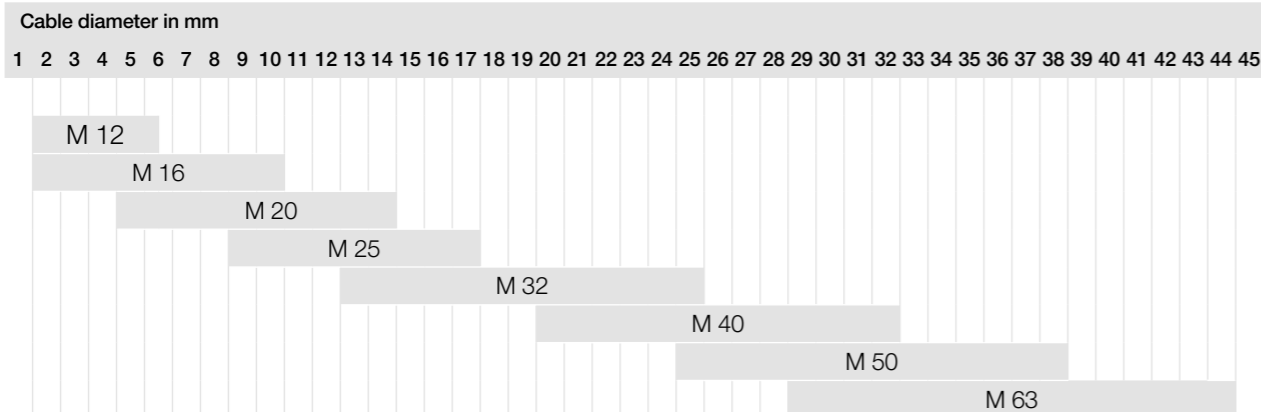
HUMMEL | Cable glands HSK-K

Material PA V0 according to UL 94
Moulded seal NBR
Protection class IP 68 – 10 bar / IP 69K
 within the specified clamping range only with optional O-Ring
Continuous operating temperature -40 °F to 212 °F (-40 °C to 100 °C)
Colour gray (RAL 7035)



AG	ØK mm	GL mm	H mm	mm	Pack size	Part No. gray	igus® Part No.
M 12 x 1.5	3 - 6.5	8	21	15	5	1.209.1200.50	MAT0179492
M 12 x 1.5	2 - 5	8	21	15	5	1.209.1200.51	MAT01712319
M 16 x 1.5	4 - 8	8	22	19	5	1.209.1600.50	MAT0179493
M 16 x 1.5	2 - 6	8	22	19	5	1.209.1600.51	MAT01712320
M 16 x 1.5	5 - 10	8	25	22	5	1.219.1600.50	MAT01712321
M 20 x 1.5	6 - 12	9	27	24	5	1.209.2000.50	MAT0179494
M 20 x 1.5	5 - 9	9	27	24	5	1.209.2000.51	MAT01712322
M 20 x 1.5	10 - 14	9	28	27	5	1.219.2000.50	MAT0179563
M 25 x 1.5	13 - 18	11	31	33	5	1.209.2500.50	MAT0179495
M 25 x 1.5	9 - 16	11	31	33	5	1.209.2500.51	MAT01712323
M 32 x 1.5	18 - 25	11	39	42	5	1.209.3200.50	MAT0179496
M 32 x 1.5	13 - 20	11	39	42	5	1.209.3200.51	MAT01712324
M 40 x 1.5	22 - 32	13	48	53	5	1.209.4000.50	MAT0179497
M 40 x 1.5	20 - 26	13	48	53	5	1.209.4000.51	MAT01712325
M 50 x 1.5	32 - 38	13	49	60	5	1.209.5000.50	MAT0179498
M 50 x 1.5	25 - 31	13	49	60	5	1.209.5000.51	MAT01712326
M 63 x 1.5	37 - 44	14	49	65 / 68	5	1.209.6300.50	MAT0179499
M 63 x 1.5	29 - 35	14	49	65 / 68	5	1.209.6300.51	MAT01712327

Customized offers
Offer service Fax 1-401-438-7270



HUMMEL | K-Counter nuts

Material SB / PA
Continuous operating temperature -4 °F to -40 °F (-20 °C to 40 °C) (SB)
 -40 °F to 212 °F (-40 °C to 100 °C) (PA)
Colour gray (RAL 7035)



IG	H mm	mm	Pack size	Part No. gray	igus® Part No.
M 12 x 1.5	5	17	5	1.262.1200.50	MAT0179500
M 16 x 1.5	5	22	5	1.262.1600.50	MAT0179501
M 20 x 1.5	6	27	5	1.262.2000.50	MAT0179502
M 25 x 1.5	7	36	5	1.262.2500.50	MAT0179503
M 32 x 1.5	7	41	5	1.262.3200.50	MAT0179504
M 40 x 1.5	7	50	5	1.262.4000.50	MAT0179505
M 50 x 1.5	8	60	5	1.262.5000.50	MAT0179506
M 63 x 1.5	8	75	5	1.262.6300.50	MAT0179507

Customized offers
Offer service Fax 1-401-438-7270

... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

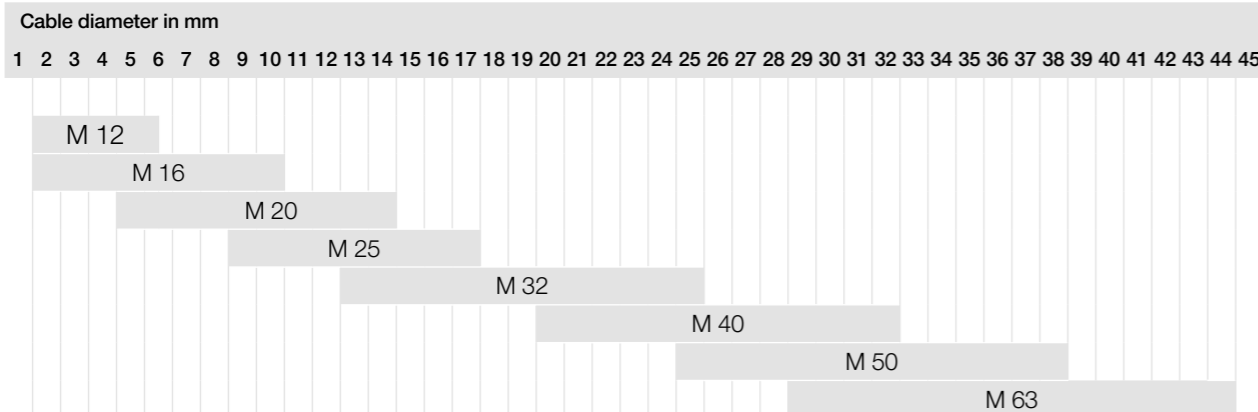
HUMMEL | Cable glands HSK-M

Material Brass, nickel-plated
Clamping insert PA
Moulded seal NBR
O ring NBR
Protection class IP 68 – 10 bar / IP 69K
 within the specified clamping area only
Continuous operating temperature -40 °F to 212 °F (-40 °C to 100 °C)



AG	ØK mm	GL mm	H mm	mm	Pack size	Part No. gray	igus® Part No.
M 12 x 1.5	3 - 6.5	6.5	19	14	5	1.609.1200.50	MAT0179476
M 12 x 1.5	2 - 5	6.5	19	14	5	1.609.1200.51	MAT01712328
M 16 x 1.5	4 - 8	6	21	17 / 19	5	1.609.1600.50	MAT0179477
M 16 x 1.5	2 - 6	6	21	17 / 19	5	1.609.1600.51	MAT01712329
M 16 x 1.5	5 - 10	6	22	20	5	1.609.1611.50	MAT01712330
M 20 x 1.5	6 - 12	6	23	22	5	1.609.2000.50	MAT0179478
M 20 x 1.5	5 - 9	6	23	22	5	1.609.2000.51	MAT01712331
M 20 x 1.5	10 - 14	6	24	24	5	1.609.2016.50	MAT0179562
M 25 x 1.5	13 - 18	7	26	30	5	1.609.2500.50	MAT0179479
M 25 x 1.5	9 - 16	7	26	30	5	1.609.2500.51	MAT01711769
M 32 x 1.5	18 - 25	8	31	40	5	1.609.3200.50	MAT0179480
M 32 x 1.5	13 - 20	8	31	40	5	1.609.3200.51	MAT01712332
M 40 x 1.5	22 - 32	8	37	50	5	1.609.4000.50	MAT0179481
M 40 x 1.5	20 - 26	8	37	50	5	1.609.4000.51	MAT01712333
M 50 x 1.5	32 - 38	9	37	57	5	1.609.5000.50	MAT0179482
M 50 x 1.5	25 - 31	9	37	57	5	1.609.5000.51	MAT01712334
M 63 x 1.5	37 - 44	10	38	64 / 68	5	1.609.6300.50	MAT0179483
M 63 x 1.5	29 - 35	10	38	64 / 68	5	1.609.6300.51	MAT01712335

Customized offers
Offer service Fax 1-401-438-7270



HUMMEL | M Counter nuts

Material Brass, nickel-plated



IG	H mm	mm	Pack size	Part No. gray	igus® Part No.
M 12 x 1.5	2.8	15	5	1.161.1200.50	MAT0179484
M 16 x 1.5	2.8	19	5	1.161.1600.50	MAT0179485
M 20 x 1.5	3.0	23	5	1.161.2000.50	MAT0179486
M 25 x 1.5	3.5	29	5	1.161.2500.50	MAT017948
M 32 x 1.5	4.0	36	5	1.161.3200.50	MAT0179488
M 40 x 1.5	4.5	45	5	1.161.4000.50	MAT0179489
M 50 x 1.5	5.5	55	5	1.161.5000.50	MAT0179490
M 63 x 1.5	6.0	70	5	1.161.6300.50	MAT0179491

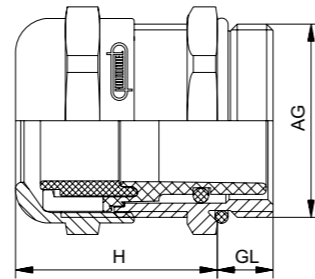
Customized offers
Offer service Fax 1-401-438-7270

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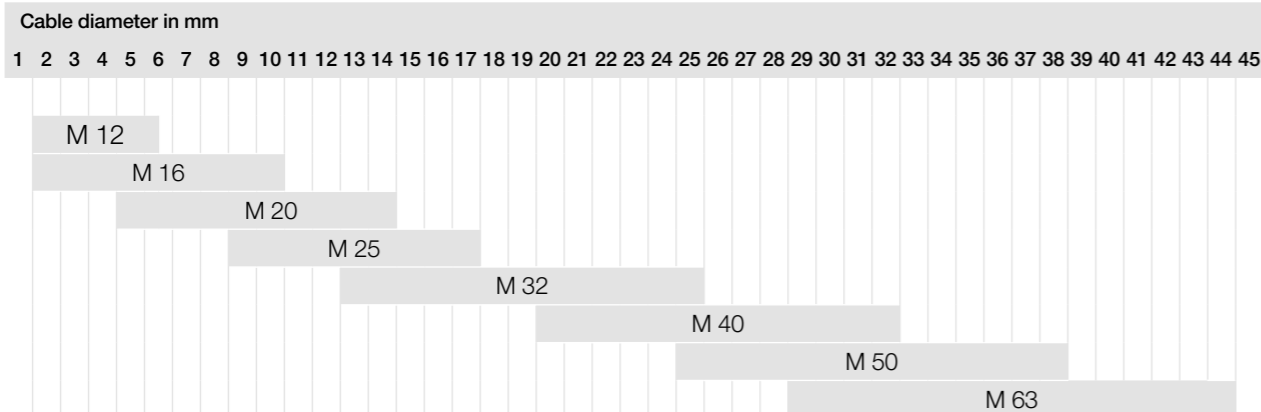
Service life calculation, configuration and more information at ► www.chainflex.com

HUMMEL | Cable glands HSK-M-EMV

- Material** Brass, nickel-plated
- Clamping insert** PA
- Moulded seal** NBR
- O ring** NBR
- Protection class** IP 68 – 10 bar / IP 69K
within the specified clamping area only
- Continuous operating temperature** -40 °F to 212 °F (-40 °C to 100 °C)



AG	ØK mm	GL mm	H mm	mm	Pack size	Part No. gray	igus® Part No.
M 12 x 1.5	3 - 6.5	6.5	19	14	5	1.691.1200.50	MAT0179508
M 12 x 1.5	2 - 5	6.5	19	14	5	1.691.1200.51	MAT01712336
M 16 x 1.5	5 - 10	6	22	20	5	1.691.1600.50	MAT0179509
M 16 x 1.5	3 - 7	6	22	20	5	1.691.1600.51	MAT01712337
M 20 x 1.5	10 - 14	6	23	24	5	1.691.2000.50	MAT0179510
M 20 x 1.5	7 - 12	6	23	24	5	1.691.2000.51	MAT01712338
M 25 x 1.5	13 - 18	7	24	30	5	1.691.2500.50	MAT0179511
M 25 x 1.5	9 - 16	7	24	30	5	1.691.2500.51	MAT01712339
M 32 x 1.5	18 - 25	8	31	40	5	1.691.3200.50	MAT0179512
M 32 x 1.5	13 - 20	8	31	40	5	1.691.3200.51	MAT01712340
M 40 x 1.5	22 - 32	8	37	50	5	1.691.4000.50	MAT0179513
M 40 x 1.5	20 - 26	8	37	50	5	1.691.4000.51	MAT01712341
M 50 x 1.5	32 - 38	9	37	57	5	1.691.5000.50	MAT0179514
M 50 x 1.5	25 - 31	9	37	57	5	1.691.5000.51	MAT01712342
M 63 x 1.5	37 - 44	10	38	64 / 68	5	1.691.6300.50	MAT0179515
M 63 x 1.5	29 - 35	10	38	64 / 68	5	1.691.6300.51	MAT01712343



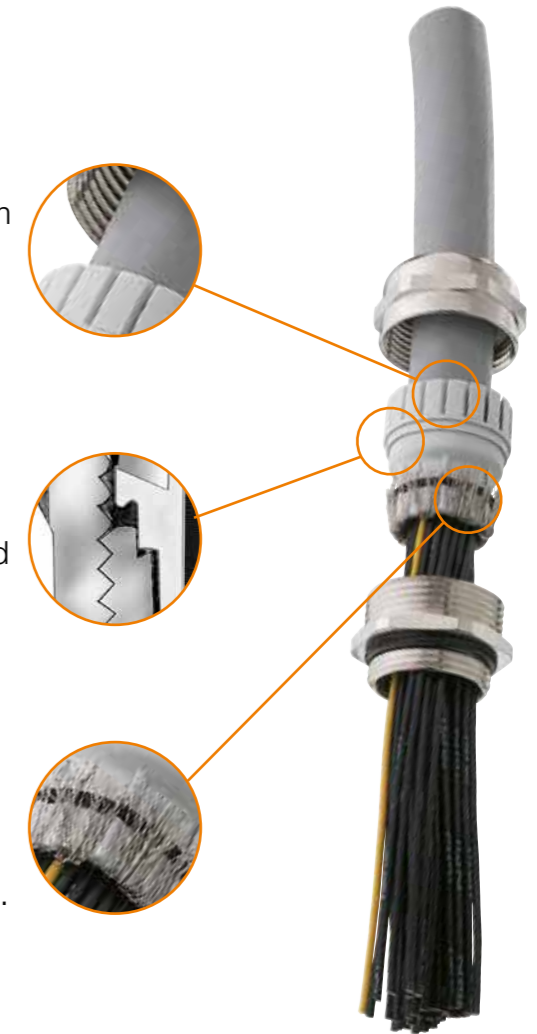
HUMMEL | HSK-EMV Industry standard

HSK-M-EMV

Flexible overlapping clamping splines prevent the form seal from being pulled out of the fitting.

The internal sealing edge results in a superior seal between the splined Nylon clamping insert and the nickel-plated brass body.

Patented 360° grounding. The internal O-Ring, which results in a perfect contact between braided shield of cable and fitting.

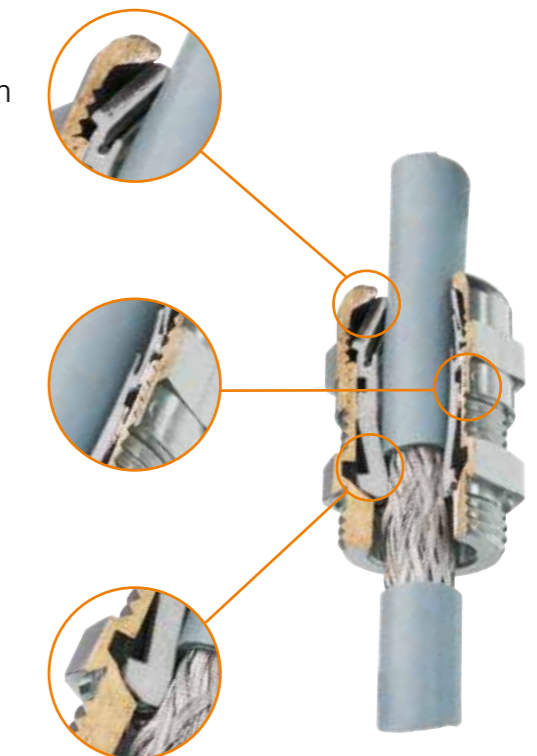


HSK-M-EMV-D

Flexible overlapping clamping splines prevent the form seal from being pulled out of the fitting.

Metallised spline insert provides electrical conductivity.

Flexible contact points allow contact with variable braid diameters.



... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com

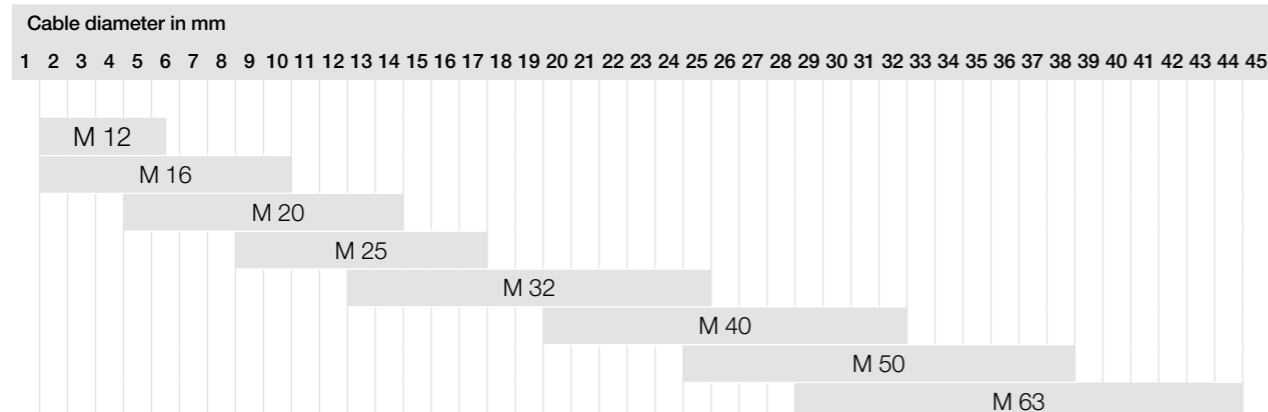
HUMMEL | Cable glands HSK-M-EMV-D

Material	Brass, nickel-plated
Clamping insert	Metal coated PA
Moulded seal	NBR
O ring	NBR
Protection class	IP 68 – 10 bar / IP 69K within the specified clamping area only
Continuous operating temperature	-40 °F to 212 °F (-40 °C to 100 °C)



AG	\varnothing mm	GL mm	H mm	\varnothing mm	Pack size	Part No. gray	igus® Part No.
M 12 x 1.5	3 - 6.5	6.5	25	14	5	1.631.1200.50	MAT0179524
M 16 x 1.5	5 - 10	6	32	20	5	1.631.1600.50	MAT0179525
M 20 x 1.5	10 - 14	6	33	24	5	1.631.2000.50	MAT0179526
M 25 x 1.5	13 - 18	7	39	30	5	1.631.2500.50	MAT0179527
M 32 x 1.5	18 - 25	8	45	40	5	1.631.3200.50	MAT0179528
M 40 x 1.5	24 - 32	8	51	50	5	1.631.4000.50	MAT0179529
M 50 x 1.5	32 - 38	9	57.5	57	5	1.631.5000.50	MAT0179530
M 63 x 1.5	37 - 44	10	52	64 / 68	5	1.631.6300.50	MAT0179531

Customized offers
Offer service Fax 1-401-438-7270



HUMMEL | EMV-Counter nuts

Material	Brass, nickel-plated
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IG	H mm	\varnothing mm	S mm	Pack size	Part No. gray	igus® Part No.
M 12 x 1.5	2.8	15	0.7	5	1.167.1200.50	MAT0179516
M 16 x 1.5	2.8	19	0.7	5	1.167.1600.50	MAT0179517
M 20 x 1.5	3.0	24	0.7	5	1.167.2000.50	MAT0179518
M 25 x 1.5	3.5	30	0.7	5	1.167.2500.50	MAT0179519
M 32 x 1.5	4.5	36	0.7	5	1.167.3200.50	MAT0179520
M 40 x 1.5	5.0	46	0.7	5	1.167.4000.50	MAT0179521
M 50 x 1.5	5.0	60	0.7	5	1.167.5000.50	MAT0179522
M 63 x 1.5	6.0	70	0.7	5	1.167.6300.50	MAT0179523

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... no minimum order quantity ...

Service life calculation, configuration and more information at ► www.chainflex.com