



igus® connectors		Type	Page
Connectors			
	SERIES A 623	Signal connector M23 standard [6 to 19-pole] Standard/Speedtec	700
	SERIES B 923	Power connector Size 1 [6, 8 and 9-pole] Standard/Speedtec	705
	SERIES C 940	Power connector Size 1,5 [6, 8 and 9-pole] Standard/Speedtec	710
	SERIES D 958	Power connector Size 3 [6 and 8-pole] Standard	713
	SERIES 615/915	Signal and power connector Signal- [12-pole] and power connector [9-pole] Plastic- / Metal clamping ring	715
	SERIES M17 617/917	Signal and power connector M17 signal- [17-pole] and power connector [4 to 9-pole] Standard/Speedtec	723
	SERIES S 623	Power connector [1-pole] Standard	728
	Connector sets Individual connector sets from quantity 1		730
	igus® ibow	Angle adapter for power connector 923 and signal connector 623	731
	Tools and accessories		732
	SUB-D	Signal connector SUB-D standard [9 to 44-pole]	734
	Yamaichi Y-CONKIT		738
	HARTING	Connector sets Standard and Premium	740
	Glands		734

Signal connectors Series A, 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 in insulation body

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

Electrical information

Design	Signal 6 to 12-pole	Signal 16 to 19-pole
Max. continuous nominal current	10 A	9 A
Nominal voltage (AC/DC)	160 V	125 V
Testing voltage	2500 V	2500 V
Contact resistance	< 5 mΩ	< 5 mΩ
Insertion cycles	> 50	> 50

Technical data

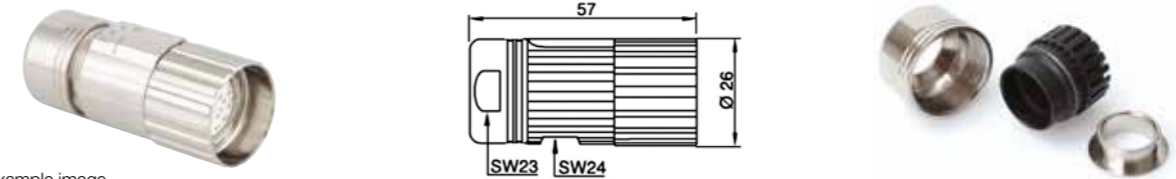
Verriegelung	Thread M23
Temperature range	-20 °C up to +130 °C
Cable clamp	Crown clamp
Protection class	IP 66/67 [plugged]

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Pollution degree	3
Over-voltage category	III
Max. installation height	2000 m

Connector materials

Housing	Zinc die-casting/brass, nickel-plated
Coupling nut	Brass, nickel-plated
Insulation body (material)	PA 6.6/PBT, UL 93/V0
Contacts	Brass, gold-plated
Seals	FPM/HNBR
Clamping ring	Brass, nickel-plated

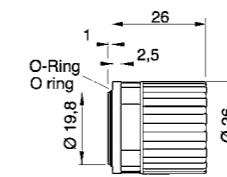


Example image

Signal connector [9 to 19-pole] nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm²]	Clamping range [mm]	Crimping tool + insert
MAT0179600	P type [8+1]-pole 3 coding slots	Female crimp, slotted	8x1,0	0.14-1	9.0-13.2	C+1+4
		Female crimp, slotted	1x2,0	0.35-2.5		
MAT0179601	E type 12-pole 3 coding slots	Female crimp, slotted	12x1,0	0.14-1	9.0-13.2	A
MAT0179602	P type 16-pole 1 coding slot	Female crimp, slotted	16x1,0	0.14-1	9.0-13.2	A
MAT0179603	P type 17-pole 3 coding slots	Female crimp, slotted	17x1,0	0.14-1	9.0-13.2	A
MAT0179604	P type [16+3]-pole 1 coding slot	Female crimp, slotted	16x1,0	0.14-1	9.0-13.2	C+1+5
		Female crimp, slotted	3x1,5	0.14-1		



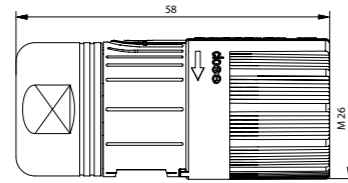
Example image



Bulkhead connector with union nut (Metal construction, axial seal)		
Part No.	Number of poles	Crimping tool + insert
MAT0179605	[8+1]-pole	C+1+4
MAT0179606	12-pole	A
MAT0179607	16-pole	A
MAT0179608	17-pole	A
MAT0179609	[16+3]-pole	C+1+5



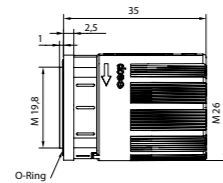
Example image



Signal connector [9 to 19-pole] nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01723461	P type [8+1]-pole 3 coding slots	Female crimp, slotted	8x1,0		0.14-1	9.0-13.2 C+1+4
		Female crimp, slotted	1x2,0		0.35-2.5	
MAT01723462	E type 12-pole 3 coding slots	Female crimp, slotted	12x1,0		0.14-1	9.0-13.2 A
MAT01723463	P type 16-pole 1 coding slot	Female crimp, slotted	16x1,0		0.14-1	9.0-13.2 A
MAT01723464	P type 17-pole 3 coding slots	Female crimp, slotted	17x1,0		0.14-1	9.0-13.2 A
MAT01723465	P type [16+3]-pole 1 coding slot	Female crimp, slotted	16x1,0		0.14-1	9.0-13.2 C+1+5
		Female crimp, slotted	3x1,5		0.14-1	



Example image

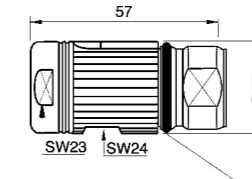


Bulkhead connector with union nut (Metal construction, axial seal)		
Part No.	Number of poles	Crimping tool + insert
MAT01723466	[8+1]-pole	C+1+4
MAT01723467	12-pole	A
MAT01723468	16-pole	A
MAT01723469	17-pole	A
MAT01723470	[16+3]-pole	C+1+5

Crimping tools and inserts ► Page 732



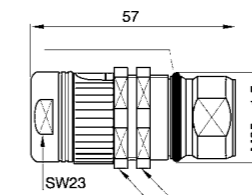
Example image



Signal coupling [9 to 19-pole] nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT0179610	E type [8+1]-pole 3 coding slots	Male crimp	8x1,0		0.14-1	9.0-13.2 C+1+4
		Male crimp	1x2,0		0.35-2.5	
MAT0179611	P type 12-pole 3 coding slots	Male crimp	12x1,0		0.14-1	9.0-13.2 A
MAT0179612	E type 16-pole 1 coding slot	Male crimp	16x1,0		0.14-1	9.0-13.2 A
MAT0179613	E type 17-pole 3 coding slots	Male crimp	17x1,0		0.14-1	9.0-13.2 A
MAT0179614	E type [16+3]-pole 1 coding slot	Male crimp	16x1,0		0.14-1	9.0-13.2 C+1+5
		Male crimp	3x1,5		0.14-1	



Example image

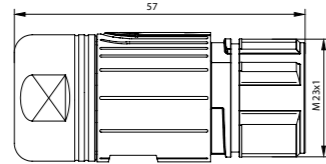


Coupling with central attachment (Metal construction, EMC shielding)		
Part No.	Number of poles	Crimping tool + insert
MAT0179615	[8+1]-pole	C+1+4
MAT0179616	12-pole	A
MAT0179617	16-pole	A
MAT0179618	17-pole	A
MAT0179619	[16+3]-pole	C+1+5

Crimping tools and inserts ► Page 732



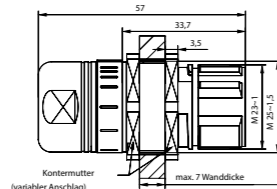
Example image



Signal coupling [9 to 19-pole] nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01723471	E type [8+1]-pole 3 coding slots	Male crimp	8x1,0	0.14-1	9.0-13.2	C+1+4
		Male crimp	1x2,0	0.35-2.5		
MAT01723472	P type 12-pole 3 coding slots	Male crimp	12x1,0	0.14-1	9.0-13.2	A
MAT01723473	E type 16-pole 1 coding slot	Male crimp	16x1,0	0.14-1	9.0-13.2	A
MAT01723474	E type 17-pole 3 coding slots	Male crimp	17x1,0	0.14-1	9.0-13.2	A
MAT01723475	E type [16+3]-pole 1 coding slot	Male crimp	16x1,0	0.14-1	9.0-13.2	C+1+5
		Male crimp	3x1,5	0.14-1		



Example image



Coupling with central attachment (Metal construction, EMC shielding)		
Part No.	Number of poles	Crimping tool + insert
MAT01723476	[8+1]-pole	C+1+4
MAT01723477	12-pole	A
MAT01723478	16-pole	A
MAT01723479	17-pole	A
MAT01723480	[16+3]-pole	C+1+5

Crimping tools and inserts ► Page 732



Power connectors Series B, M23, 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 in insulation body

- 6, 8, 9

Electrical information

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

Technical data

Verriegelung	Thread M23
Temperature range	-20 °C up to +130 °C
Cable clamp	Crown clamp
Protection class	IP 66/67 [plugged]

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Pollution degree	3
Over-voltage category	III
Max. installation height	2000 m

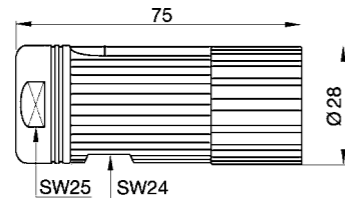
Connector materials

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





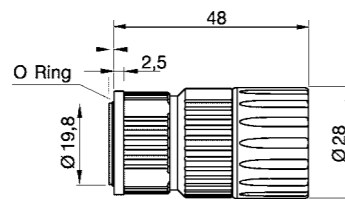
Example image



Power connector [6 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT0179620	P type 6-pole	HC Female crimp	6x2,0	0.35-2.5	9.5-14.5	C+2
MAT0179621	P type 8-pole	HC Female crimp	4x2,0	0.35-2.5	9.5-14.5	C+2+1
		HC Female crimp	4x1,0	0.14-1		
MAT0179622	P type 9-pole	HC Female crimp	4x2,0	0.35-2.5	9.5-14.5	C+2+1
		HC Female crimp	5x1,0	0.14-1		



Example image



Bulkhead connector with union nut (Metal construction, axial seal)		
Part No.	Number of poles	Crimping tool + insert
MAT0178406	6-pole	C+2
MAT0175661	8-pole	C+2+1
MAT0179033	9-pole	C+2+1

Crimping tools and inserts ► Page 732



Example image



Power connector [6 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT01723481	P type 6-pole	HC Female crimp	6x2,0	0.35-2.5	9.5-14.5	C+2
MAT01723482	P type 8-pole	HC Female crimp	4x2,0	0.35-2.5	9.5-14.5	C+2+1
		HC Female crimp	4x1,0	0.14-1		
MAT01723483	P type 9-pole	HC Female crimp	4x2,0	0.35-2.5	9.5-14.5	C+2+1
		HC Female crimp	5x1,0	0.14-1		



Example image



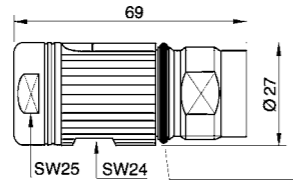
Bulkhead connector with union nut (Metal construction, axial seal)		
Part No.	Number of poles	Crimping tool + insert
MAT01723484	6-pole	C+2
MAT01723485	8-pole	C+2+1
MAT01723486	9-pole	C+2+1

Crimping tools and inserts ► Page 732





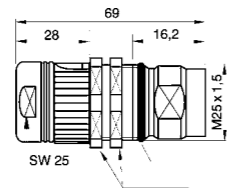
Example image



Power coupling [6 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT0179623	E type 6-pole	Male crimp	6x2,0	0.35-2.5	9.5-14.5	C+3
MAT0179624	E type 8-pole	Male crimp	4x2,0	0.35-2.5	9.5-14.5	C+3
		Male crimp	4x1,0	0.14-1		
MAT0179625	E type 9-pole	Male crimp	6x2,0	0.35-2.5	9.5-14.5	C+3
		Male crimp	4x1,0	0.14-1		



Example image

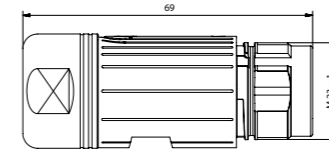


Coupling with central attachment (Metal construction, EMC shielding)		
Part No.	Number of poles	Crimping tool + insert
MAT0179626	6-pole	C+3
MAT0179627	8-pole	C+3
MAT0179628	9-pole	C+3

Crimping tools and inserts ► Page 732



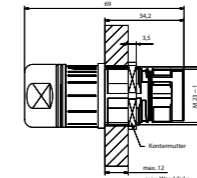
Example image



Power coupling [6 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT01723487	E type 6-pole	Male crimp	6x2,0	0.35-2.5	9.5-14.5	C+3
MAT01723488	E type 8-pole	Male crimp	4x2,0	0.35-2.5	9.5-14.5	C+3
		Male crimp	4x1,0	0.14-1		
MAT01723489	E type 9-pole	Male crimp	4x2,0	0.35-2.5	9.5-14.5	C+3
		Male crimp	5x1,0	0.14-1		



Example image



Coupling with central attachment (Metal construction, EMC shielding)		
Part No.	Number of poles	Crimping tool + insert
MAT01723490	6-pole	C+3
MAT01723491	8-pole	C+3
MAT01723492	9-pole	C+3

Crimping tools and inserts ► Page 732

Power connectors Series C, M40, 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 in insulation body

- 6, 8, 9

Electrical information

Design	Power 6 to 19-pole
Max. continuous nominal current	75 A
Nominal voltage (AC/DC)	630 V
Testing voltage	6000 V
Contact resistance	< 1 mΩ
Insertion cycles	> 50

Technical data

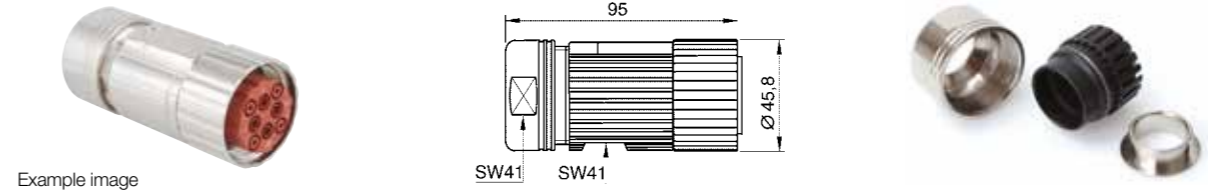
Verriegelung	Thread M40
Temperature range	-20 °C up to +130 °C
Cable clamp	Crown clamp
Protection class	IP 66/67 [plugged]

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

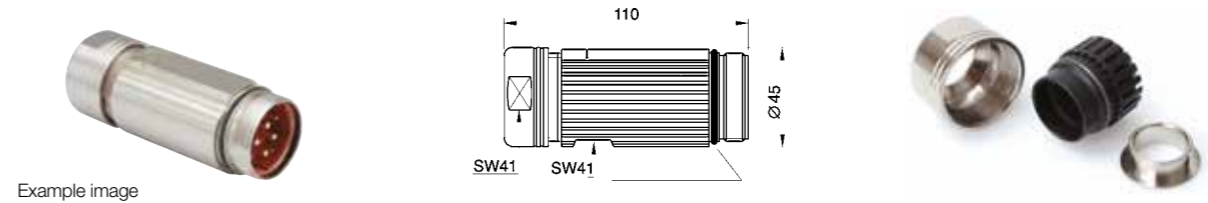
Pollution degree	3
Over-voltage category	III
Max. installation height	2000 m

Connector materials

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



Power connector [6 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm²]	Clamping range [mm]	Crimping tool + insert
MAT0179629	P type 6-pole	HC Female crimp	4x3,6		1.5-10	9.0-16.5 D+9+C+2
		HC Female crimp	2x2,0		0.5-2.5	
MAT0179630	P type 8-pole	HC Female crimp	4x3,6		1.5-10	9.0-16.5 D+9+C+2
		HC Female crimp	4x2,0		0.5-2.5	
MAT0179631	P type 9-pole	HC Female crimp	4x3,6		1.5-10	9.0-16.5 D+9+C+2
		HC Female crimp	5x2,0		0.5-2.5	



Power coupling [6 to 9-pole] nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm²]	Clamping range [mm]	Crimping tool + insert
MAT0179632	E type 6-pole	Male crimp	4x3,6		1.5-10	9.0-16.5 D+9+C+3
		Male crimp	2x2,0		0.5-2.5	
MAT0179633	E type 8-pole	Male crimp	4x3,6		1.5-10	9.0-16.5 D+9+C+3
		Male crimp	4x2,0		0.5-2.5	
MAT0179634	E type 9-pole	Male crimp	4x3,6		1.5-10	9.0-16.5 D+9+C+3
		Male crimp	5x2,0		0.5-2.5	

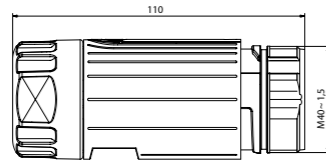
Crimping tools and inserts ► Page 732





Example image

Power connector [6 to 9-pole], nickel-plated (Metal construction, EMC shielding)								
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert		
			[mm]	[mm ²]	[mm]			
MAT01723501	P type 6-pole		HC Female crimp	4x3,6		1.5-10	9.0-16.5	D+9+C+2
			HC Female crimp	2x2,0				
MAT01723502	P type 8-pole		HC Female crimp	4x3,6		1.5-10	9.0-16.5	D+9+C+2
			HC Female crimp	4x2,0				
MAT01723503	P type 9-pole		HC Female crimp	4x3,6		1.5-10	9.0-16.5	D+9+C+2
			HC Female crimp	5x2,0				



Example image

Power coupling [6 to 9-pole] nickel-plated (Metal construction, EMC shielding)								
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert		
			[mm]	[mm ²]	[mm]			
MAT01723504	E type 6-pole		Male crimp	4x3,6		1.5-10	9.0-16.5	D+9+C+3
			Male crimp	2x2,0				
MAT01723505	E type 8-pole		Male crimp	4x3,6		1.5-10	9.0-16.5	D+9+C+3
			Male crimp	4x2,0				
MAT01723506	E type 9-pole		Male crimp	4x3,6		1.5-10	9.0-16.5	D+9+C+3
			Male crimp	5x2,0				

Crimping tools and inserts ► Page 732



Power connectors Series D, M58, size 3 [6 and 8-pole]

Types

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

Number of poles in insulation body

- 6, 8

Electrical information

Design	Power 6 and 8-pole	Signal contacts
Max. continuous nominal current	150 A	12 A
Nominal voltage (AC/DC)	630 V	250 V
Testing voltage	6000 V	4000 V
Contact resistance	< 90 mΩ	< 5 mΩ
Insertion cycles	> 50	> 50

Technical data

Verriegelung	Thread M58
Temperature range	-20 °C up to +130 °C
Cable clamp	Crown clamp
Protection class	IP 66/67 [plugged]

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Pollution degree	3
Over-voltage category	III
Max. installation height	2000 m

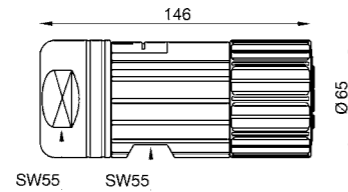
Connector materials

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





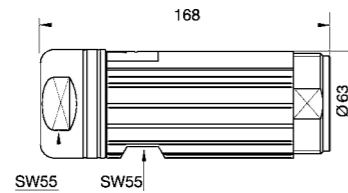
Example image



Power connector [6 and 8-pole] nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT0179635	P type 6-pole		Female crimp (power)	4x10	10	17.0-36.0 E+10+C+7
			Female crimp (signal)	2x1,6	1.5	
MAT0179636	P type 8-pole		Female crimp (power)	4x10	10	17.0-36.0 E+10+C+7
			Female crimp (signal)	4x1,6	1.5	



Example image



Power coupling [6 and 8-pole] nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT0179637	E type 6-pole		Male crimp (power)	4x10	10	17.0-36.0 E+10+C+8
			Male crimp (signal)	2x1,6	1.5	
MAT0179638	E type 8-pole		Male crimp (power)	4x10	10	17.0-36.0 E+10+C+8
			Male crimp (signal)	4x1,6	1.5	

Crimping tools and inserts ► Page 732



Signal connectors Series 615, M15, Plastic/ metal clamping ring [12-pole]

Types

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

Number of poles in insulation body

- 12

Electrical information

Design	Signal 12-pole
Max. continuous nominal current	3.6 A
Nominal voltage (AC/DC)	63 V
Testing voltage	1500 V
Contact resistance	< 15 mΩ
Insertion cycles	> 50

Technical data

Verriegelung	Quick-lock fastener
Temperature range	-20 °C up to +130 °C
Cable clamp	Lamella clamp
Protection class	IP 66/67 [plugged]

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Pollution degree	3
Over-voltage category	III
Max. installation height	2000 m

Connector materials

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



Example image



Signal connector [12-pole] (Plastic clamping ring, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT01730633	P type 12-pole	Female crimp, slotted	12x1	0.1-0.75	4.5-6.5	C+14
MAT01730634	P type 12-pole	Female crimp, slotted	12x1	0.1-0.75	6.5-8.5	C+14
MAT01730635	P type 12-pole	Female crimp, slotted	12x1	0.1-0.75	8.5-10.5	C+14



Example image



Signal coupling [12-pole] (Plastic clamping ring, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT01730640	E type 12-pole	Male crimp	12x1	0.1-0.75	4.5-6.5	C+14
MAT01730641	E type 12-pole	Male crimp	12x1	0.1-0.75	6.5-8.5	C+14
MAT01730642	E type 12-pole	Male crimp	12x1	0.1-0.75	8.5-10.5	C+14

Crimping tools and inserts ► Page 732



Example image



Signal connector [12-pole], nickel-plated (Metal clamping ring, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT01730636	P type 12-pole	Female crimp, slotted	12x1	0.1-0.75	4.5-6.5	C+14
MAT01730637	P type 12-pole	Female crimp, slotted	12x1	0.1-0.75	6.5-8.5	C+14
MAT01730638	P type 12-pole	Female crimp, slotted	12x1	0.1-0.75	8.5-10.5	C+14



Example image



Signal coupling [12-pole], nickel-plated (Metal clamping ring, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT01730643	E type 12-pole	Male crimp	12x1	0.1-0.75	4.5-6.5	C+14
MAT01730644	E type 12-pole	Male crimp	12x1	0.1-0.75	6.5-8.5	C+14
MAT01730645	E type 12-pole	Male crimp	12x1	0.1-0.75	8.5-10.5	C+14



Crimping tools and inserts ► Page 732





Example image





Signal connector [12-pole], nickel-plated (Metal clamping ring, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT01730639	P type 12-pole	 Female crimp, slotted	12x1	 0.1-0.75	10.5-12.5	C+14



Example image



Signal coupling [12-pole], nickel-plated (Metal clamping ring, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT01730646	E type 12-pole	 Male crimp	12x1	 0.1-0.75	10.5-12.5	C+14

Crimping tools and inserts ► Page 732



Power connectors Series 915, M15, Plastic/
metal clamping ring [9-pole]

Types

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

Number of poles in insulation body

- 9

Electrical information

Design	Power 9-pole
Max. continuous nominal current	20 A
Nominal voltage (AC/DC)	630 V
Testing voltage	6000 V
Contact resistance	< 5 mΩ
Insertion cycles	> 50

Technical data

Verriegelung	Quick-lock fastener
Temperature range	-20 °C up to +130 °C
Cable clamp	Lamella clamp
Protection class	IP 66/67 [plugged]

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Pollution degree	3
Over-voltage category	III
Max. installation height	2000 m

Connector materials

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





Example image



Power connector [9-pole], (Plastic clamping ring, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01730647	P type 9-pole		Female crimp, slotted	4x1	0.5-1.5	4.5-6.5 C+14
			Female crimp, slotted	5x1	0.1-0.75	
MAT01730648	P type 9-pole		Female crimp, slotted	4x1	0.5-1.5	6.5-8.5 C+14
			Female crimp, slotted	5x1	0.1-0.75	
MAT01730649	P type 9-pole		Female crimp, slotted	4x1	0.5-1.5	8.5-10.5 C+14
			Female crimp, slotted	5x1	0.1-0.75	



Example image



Power coupling [9-pole], (Plastic clamping ring, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01730654	E type 9-pole		Male crimp	4x1	0.5-1.5	4.5-6.5 C+14
			Male crimp	5x1	0.1-0.75	
MAT01730655	E type 9-pole		Male crimp	4x1	0.5-1.5	6.5-8.5 C+14
			Male crimp	5x1	0.1-0.75	
MAT01730656	E type 9-pole		Male crimp	4x1	0.5-1.5	8.5-10.5 C+14
			Male crimp	5x1	0.1-0.75	

Crimping tools and inserts ► Page 732



Example image



Power connector [9-pole], nickel-plated (Metal clamping ring, EMC-shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01730650	P type 9-pole		Female crimp, slotted	4x1	0.5-1.5	4.5-6.5 C+14
			Female crimp, slotted	5x1	0.1-0.75	
MAT01730651	P type 9-pole		Female crimp, slotted	4x1	0.5-1.5	6.5-8.5 C+14
			Female crimp, slotted	5x1	0.1-0.75	
MAT01730652	P type 9-pole		Female crimp, slotted	4x1	0.5-1.5	8.5-10.5 C+14
			Female crimp, slotted	5x1	0.1-0.75	



Example image



Power coupling [9-pole], nickel-plated (Metal clamping ring, EMC-shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01730657	E type 9-pole		Male crimp	4x1	0.5-1.5	4.5-6.5 C+14
			Male crimp	5x1	0.1-0.75	
MAT01730658	E type 9-pole		Male crimp	4x1	0.5-1.5	6.5-8.5 C+14
			Male crimp	5x1	0.1-0.75	
MAT01730659	E type 9-pole		Male crimp	4x1	0.5-1.5	8.5-10.5 C+14
			Male crimp	5x1	0.1-0.75	

Crimping tools and inserts ► Page 732

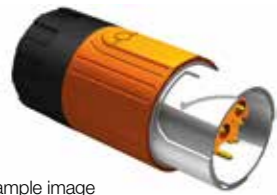




Example image



Power connector [9-pole], nickel-plated (Metal clamping ring, EMC-shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01730653	P type 9-pole		Female crimp, slotted	4x1		10.5-12.5 C+14
			Female crimp, slotted	5x1		



Example image



Power coupling [9-pole], nickel-plated (Metal clamping ring, EMC-shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01730660	E type 9-pole		Male crimp	4x1		10.5-12.5 C+14
			Male crimp	5x1		

Crimping tools and inserts ► Page 732



Signal [17-pole] and power connectors [4 to 9-pole], M17

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 in insulation body

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

Electrical information

Design	Signal 17-pole	Power 4-pole	Power 7-pole	Power 9-pole	Signal 9-pole
Max. continuous nominal current	3.6 A	20 A	10 A	14 A	3.6 A
Nominal voltage (AC/DC)	63 V	630 V	630 V	630 V	63 V
Testing voltage	1500 V	6000 V	6000 V	6000 V	1500 V
Contact resistance	< 15 mΩ	< 5 mΩ	< 5 mΩ	< 5 mΩ	< 15 mΩ
Insertion cycles	> 50	> 50	> 50	> 50	> 50

Technical data

Verriegelung	Thread M17
Temperature range	-20 °C up to +130 °C
Cable clamp	Crown clamp
Protection class	IP 66/67 [plugged]

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

Pollution degree	3
Over-voltage category	III
Max. installation height	2000 m

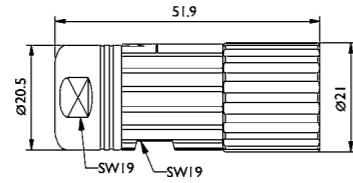
Connector materials

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





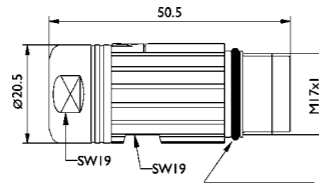
Example image



Signal connector [17-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT0179639	P type 17-pole	Female crimp, slotted	17x0,6	0.14-0.5	9.5-12.0	B



Example image

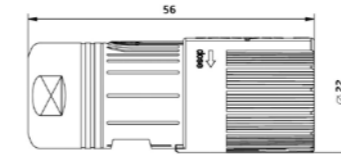


Signal coupling [17-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT0179640	E type 17-pole	Male crimp	17x0,6	0.14-0.5	9.5-12.0	B

Crimping tools and inserts ► Page 732



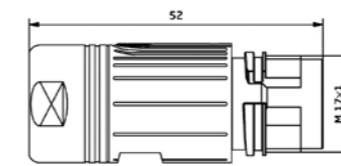
Example image



Signal connector [17-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01723493	P type 17-pole	Female crimp, slotted	17x0,6	0.14-0.5	9.5-12.0	B



Example image

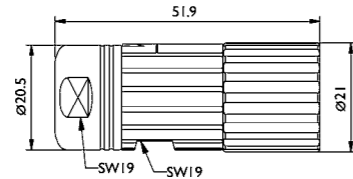


Signal coupling [17-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01723494	E type 17-pole	Male crimp	17x0,6	0.14-0.5	9.5-12.0	B

Crimping tools and inserts ► Page 732



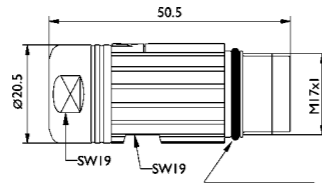
Example image



Power connector [4 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT0179641	P type 4-pole	Female crimp, slotted	4x1,5	0.35-2.5	9.5-12.0	C+1
MAT0179643	P type 7-pole	Female crimp, slotted	7x1,0	0.5-1.5	9.5-12.0	A
MAT0179645	P type 9-pole	Female crimp, slotted	4x1,0	0.5-1.5	9.5-12.0	A+B
		Female crimp, slotted	5x0,6	0.14-0.5		



Example image

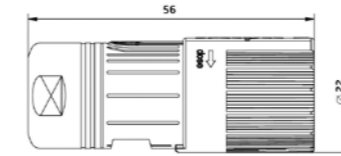


Power coupling [4 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT0179642	E type 4-pole	Male crimp	4x1,5	0.35-2.5	9.5-12.0	C+6
MAT0179644	E type 7-pole	Male crimp	7x1,0	0.5-1.5	9.5-12.0	A
MAT0179646	E type 9-pole	Male crimp	4x1,0	0.5-0.5	9.5-12.0	A+B
		Male crimp	5x0,6	0.14-0.5		

Crimping tools and inserts ► Page 732



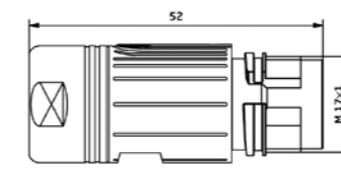
Example image



Power connector [4 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01723495	P type 4-pole	Female crimp, slotted	4x1,5	0.35-2.5	9.5-12.0	C+1
MAT01723497	P type 7-pole	Female crimp, slotted	7x1,0	0.5-1.5	9.5-12.0	A
MAT01723499	P type 9-pole	Female crimp, slotted	4x1,0	0.5-1.5	9.5-12.0	A+B
		Female crimp, slotted	5x0,6	0.14-0.5		



Example image



Power coupling [4 to 9-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert	Crimping range	Clamping range	Crimping tool + insert
			[mm]	[mm ²]	[mm]	
MAT01723496	E type 4-pole	Male crimp	4x1,5	0.35-2.5	9.5-12.0	C+6
MAT01723498	E type 7-pole	Male crimp	7x1,0	0.5-1.5	9.5-12.0	A
MAT01723500	E type 9-pole	Male crimp	4x1,0	0.5-1.5	9.5-12.0	A+B
		Male crimp	5x0,6	0.14-0.5		

Crimping tools and inserts ► Page 732

Power connectors Series S, M23 [1-pole]

Types

- Connector
- Coupling
- Straight installation box with flange

Number of poles in insulation body

- 1

Electrical information

Design	Output rating
Max. continuous nominal current	80 A
Nominal voltage (AC/DC)	630 V
Testing voltage	8000 V
Contact resistance	< 110 mΩ
Insertion cycles	> 50

Technical data

Verriegelung	Thread M23
Temperature range	-20 °C up to +130 °C
Cable clamp	Crown clamp
Protection class	IP 66/67 [plugged]

Data according to VDE 0110/EN 61984, Clause 6.19.2.2

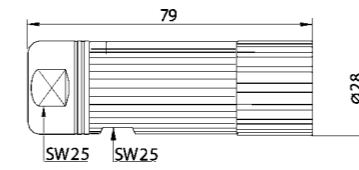
Pollution degree	3 [2]
Over-voltage category	IV
Max. installation height	2000 m

Connector materials

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



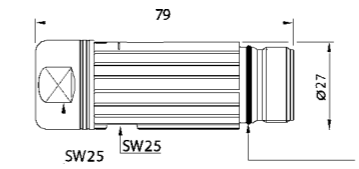
Example image



Power connector [1-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT0179669	P type 1-pole	Female crimp	1x8,0	10-10	9.5-14.5	E+10



Example image



Power coupling [1-pole], nickel-plated (Metal construction, EMC shielding)						
Part No.	Insulation body	Contact type	Dimensions crimping insert [mm]	Crimping range [mm ²]	Clamping range [mm]	Crimping tool + insert
MAT0179670	E type 1-pole	Female crimp	2x1,6	10	9.5-14.5	E+10

Crimping tools and inserts ► Page 732



...is the connector you are looking for not included in this catalogue?

Whether for your production or for spares, or a mating half for an existing connector; we can help!



Circular connectors e.g. in size M23



Sub-D signal connectors



Rectangular connectors, C148, Y-Tec® or plug for network and bus systems

Connector service packs consisting of housing, insulation, strain relief, Crimp-/solder contact, in any quantity completely picked and packed for you.

Your benefits at a glance:

- More than 3,500 connectors components from stock
- Manufacturer independent, world-wide procurement, thanks to the igus® network
- 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 can help!

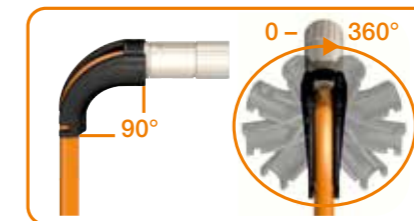


- ▶ **Safe ...**
Easy retrofit assembly without opening the connector
- ▶ **Flexible ...**
Freely selectable angle of rotation
- ▶ **Cost-effective ...**
1 connector type gives straight and angled versions
- ▶ **Customised ...**
Colour coded and, upon request, with labelling

Push connector on ...



bend the cable ...



fix the cable ...



and ready to use!



Assembly video and information:
www.igus.eu/ibow

Suitable for 923 power connectors, size 1.
Can be retrofitted for an angle of 90° ... or supplied ready-made as a harnessed igus® readycable®



Angle adapter igus® ibow	
Part No.	
MAT904104175	for 923 power connector
MAT904104176	for 623 signal connector



Crimping tool for SERIES A and B



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

MAT01710294



Positioning insert
for Ø 0.6 mm
contacts

MAT01712938

Crimping tool for SERIES M17



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

MAT0178919



MAT0179467

Crimping tool for SERIES A, B, C and M17



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

MAT0175736



1
Positioning insert
for Ø 1 mm contacts

MAT0178195



2
Positioning insert
for Ø 2 mm contacts

MAT0178196



3
Positioning insert
for Ø 1 mm and Ø 2 mm
contacts

MAT0177855



4
Positioning insert
for Ø 2 mm contacts

MAT01714573



5
Positioning insert
for Ø 1.5 mm contacts

MAT01714574



6
Positioning insert
for Ø 0.5 - 2.5 mm
contacts

MAT0178920



7
Positioning insert
for Ø 1.6 mm contacts

MAT0177853



8
Positioning insert
for Ø 1.6 mm contacts

MAT01714575



14
Positioning insert
for Ø 1.0 mm contacts
Y-Tec

MAT01724301



Crimping tool for SERIES C



D

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

MAT0179194



9
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

MAT01721441

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
	MAT01727426	MAT01727428	MAT01721442	MAT01721444

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
	MAT01727429	MAT01721443	MAT01721445

Crimping insert for SERIES S and D



E
Battery-powered crimping tool, B131-C

MAT0177854



10
Crimping jaws
up to 10 mm², 16 mm²

MAT01713679



11
Crimping jaws
up to 25 mm²

MAT01713678



12
Crimping jaws
up to 35 mm²

MAT01713677



13
Crimping jaws
up to 50 mm²

MAT01713676



Signal connectors SUB-D Standard [9 to 44-pole]

Types

- Connector, standard and angular connector

Number of poles in insulation body

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

Electrical information

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

Connector materials

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



Metal hood, straight		
Part No.	Solder contact pin	
MAT01716504	Pin, Standard 9-pole	
MAT01716505	Socket, Standard 9-pole	
MAT01716506	Pin, HighDensity 15-pole	
MAT01716507	Socket, HighDensity 15-pole	



Metal hood, angled		
Part No.	Solder contact pin	
MAT01716508	Pin, Standard 9-pole	
MAT01716509	Socket, Standard 9-pole	
MAT01716510	Pin, HighDensity 15-pole	
MAT01716511	Socket, HighDensity 15-pole	

Crimping tools and inserts ► Page 732





Metal hood, straight		
Part No.	Solder contact pin	
MAT01716512	Pin, Standard 15-pole	
MAT01716513	Socket, Standard 15-pole	
MAT01716514	Pin, HighDensity 26-pole	
MAT01716515	Socket, HighDensity 26-pole	



Metal hood, angled		
Part No.	Solder contact pin	
MAT01716516	Pin, Standard 15-pole	
MAT01716517	Socket, Standard 15-pole	
MAT01716518	Pin, HighDensity 26-pole	
MAT01716519	Socket, HighDensity 26-pole	

Crimping tools and inserts ► Page 732



Metal hood, straight		
Part No.	Solder contact pin	
MAT01716520	Pin, Standard 25-pole	
MAT01716521	Socket, Standard 25-pole	
MAT01716522	Pin, HighDensity 44-pole	
MAT01716523	Socket, HighDensity 44-pole	



Metal hood, angled		
Part No.	Solder contact pin	
MAT01716524	Pin, Standard 25-pole	
MAT01716525	Socket, Standard 25-pole	
MAT01716526	Pin, HighDensity 44-pole	
MAT01716527	Socket, HighDensity 44-pole	

Crimping tools and inserts ► Page 732



Electrical information

Max. continuous nominal current	2.1 A
Insertion cycles	1000

**Housing PA66**

Manufacturer Part No.	Part No.	Number of poles
Y-CONKIT-10	MAT01719769	4 (Ethernet)
Y-CONKIT-11	MAT0176641	4 (Ethernet) + 2 (Power)

**Zinc die-casting housing**

Manufacturer Part No.	Part No.	Number of poles
Y-CONKIT-15	MAT01719236	4 (Ethernet) + 2 (Power)
Y-CONKIT-17	MAT01719770	4 (Ethernet)

**Housing Plastic PBT, UL94V-0**

Manufacturer Part No.	Part No.	Number of poles
Y-CONKIT-20	MAT01719771	4 (Ethernet)
Y-CONKIT-21	MAT0176759	4 (Ethernet) + 2 (Power)

**Zinc die-casting housing**

Manufacturer Part No.	Part No.	Number of poles
Y-CONKIT-40	MAT01719772	4 (Ethernet)
Y-CONKIT-40-E	MAT01719773	4 (Ethernet)
Y-CONKIT-41	MAT01717218	4 (Ethernet) + 2 (Power)
Y-CONKIT-41-E	MAT01718801	4 (Ethernet) + 2 (Power)

Crimping tools and inserts ► Page 732

**Assembly tool**

Manufacturer Part No.	Part No.
Y-CONTOOL-30	MAT01717349

















**Cable dismantle tool**

Manufacturer Part No.	Part No.
	MAT01719767

















**Crimping tool**

Manufacturer Part No.	Part No.
Y-CONTOOL-11	MAT0176447

Crimping tools and inserts ► Page 732

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



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



HARTING | Connector sets Premium (pin + socket)

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



HUMMEL | Cable glands HSK-K

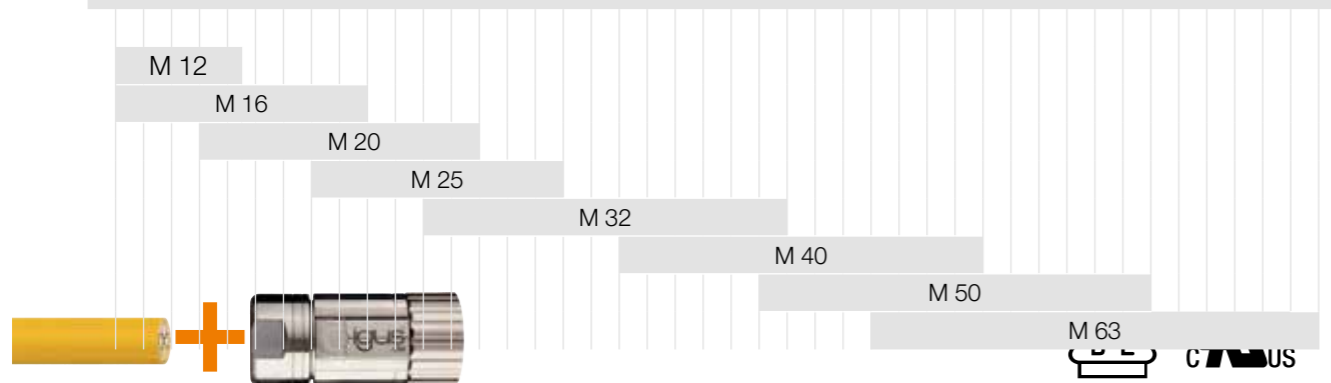
Material PA V0 according to UL 94
Moulded seal NBR
Protection class IP 68 – 10 bar / IP 69K within the specified clamping range only with optional O-Ring
Continuous operating temperature -40 °C to +100 °C
Colour grey (RAL 7035)



AG	ØK mm	GL mm	H mm	mm	Pack size	Part No. grey	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

Cable diameter in mm

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45



HUMMEL | K-Counter nuts

Material SB / PA
Continuous operating temperature -20 °C to +40 °C (SB)
 -40 °C to +100 °C (PA)
Colour grey (RAL 7035)



IG	H mm	mm	Pack size	Part No. grey	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

HUMMEL | Cable glands HSK-M

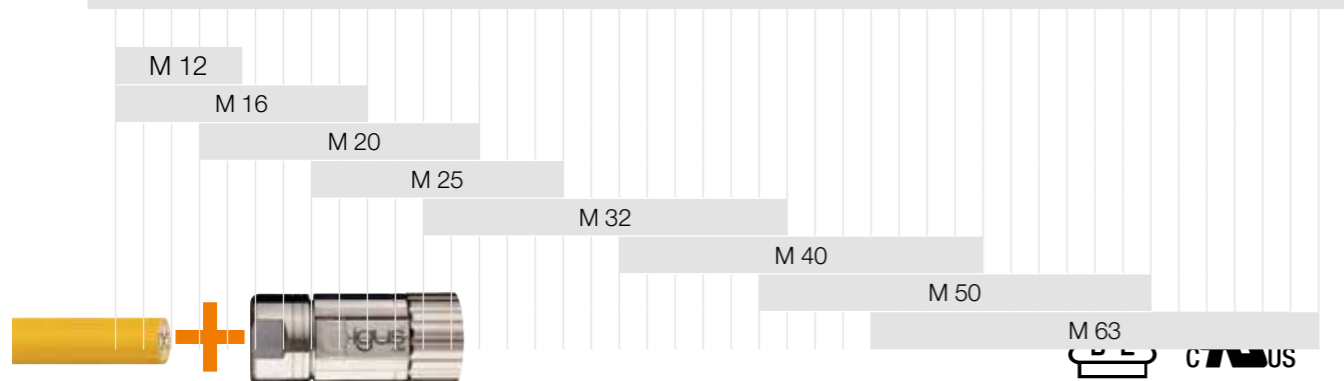
Material Brass, nickel-plated
Clamping insert PA
Moulded seal NBR
O ring NBR
Protection class IP 68 – 10 bar / IP 69K
 within the specified Clamping range only
Continuous operating temperature -40 °C to +100 °C



AG	ØK mm	GL mm	H mm	mm	Pack size	Part No.	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

Cable diameter in mm

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45



HUMMEL | M Counter nuts

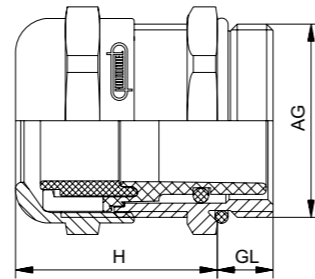
Material Brass, nickel-plated



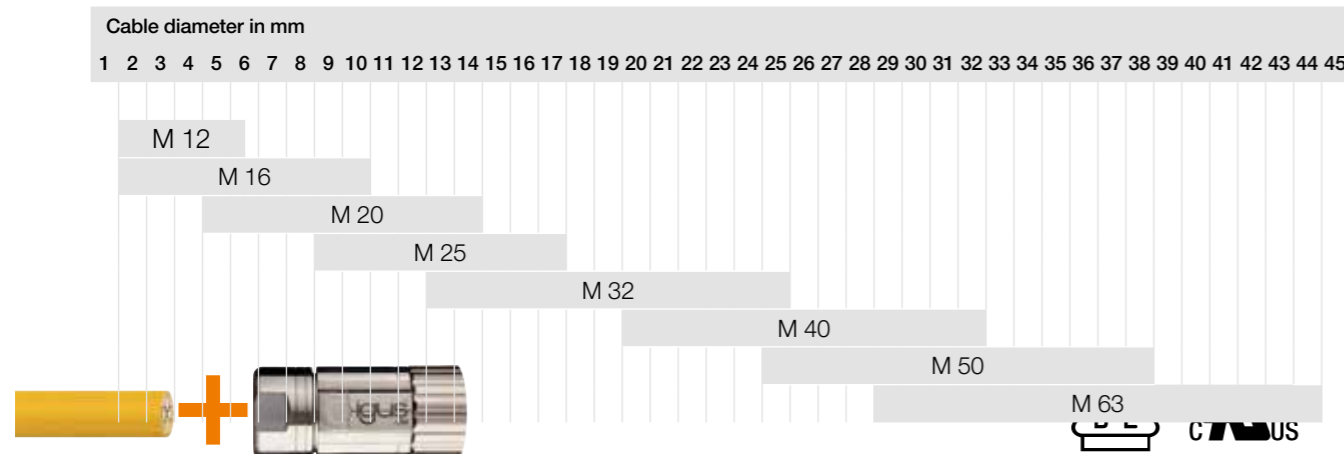
IG	H mm	mm	Pack size	Part No.	igus® Part No.
M 12 x 1.5	2.8	15	5	1.161.1200.50	MAT0179484
M 16 x 1.5	2.8	19	5	1.161.1600.50	MAT0179485
M 20 x 1.5	3.0	23	5	1.161.2000.50	MAT0179486
M 25 x 1.5	3.5	29	5	1.161.2500.50	MAT017948
M 32 x 1.5	4.0	36	5	1.161.3200.50	MAT0179488
M 40 x 1.5	4.5	45	5	1.161.4000.50	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

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 range only
Continuous operating temperature	-40 °C to +100 °C



AG	ØK mm	GL mm	H mm	Ø mm	Pack size	Part No.	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



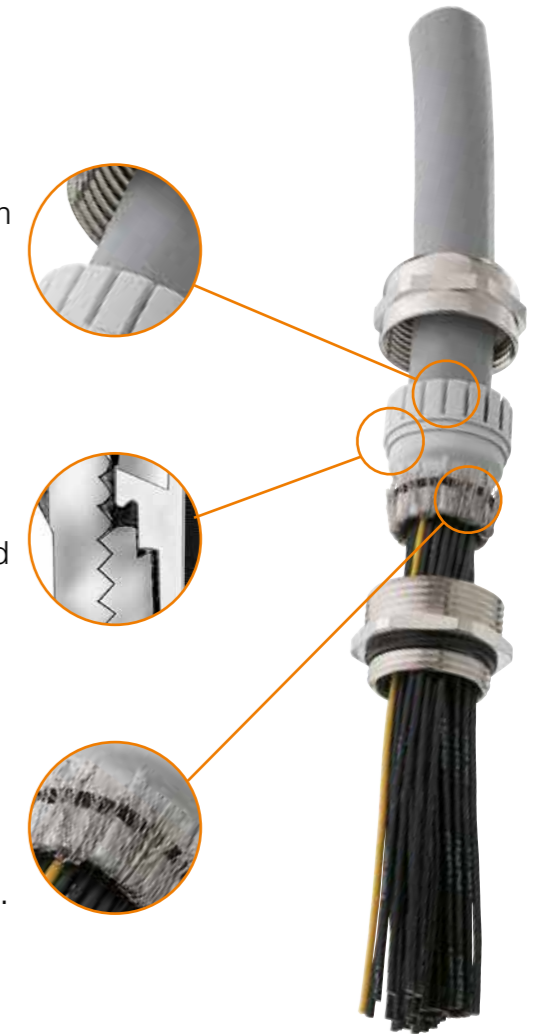
HUMMEL | HSK-EMV Industry standard

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.

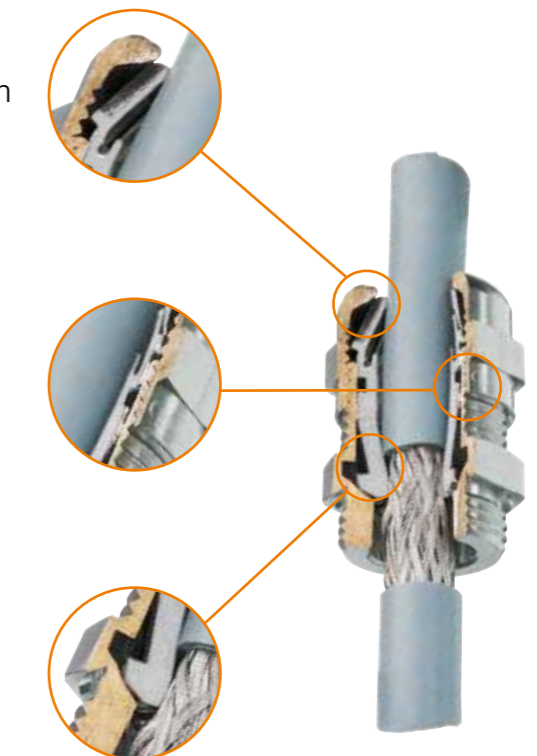


HSK-M-EMV-D

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

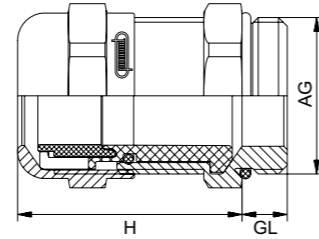
Metallised spline insert provides electrical conductivity.

Flexible contact points allow contact with variable braid diameters.



HUMMEL | Cable glands HSK-M-EMV-D

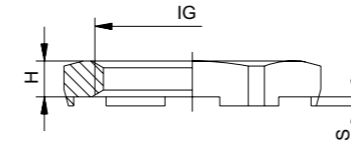
Material Brass, nickel-plated
Clamping insert Metal coated PA
Moulded seal NBR
O ring NBR
Protection class IP 68 – 10 bar / IP 69K
 within the specified Clamping range only
Continuous operating temperature -40 °C to +100 °C



AG	Øk mm	GL mm	H mm	mm	Pack size	Part No.	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

HUMMEL | EMV-Counter nuts

Material Brass, nickel-plated



IG	H mm	mm	S mm	Pack size	Part No.	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

Cable diameter in mm

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

