

M16 IP67

Cable connectors
short Version, shieldable



M16 IP67

Series	423
Contacts	2-19
Rated current	3-7 A
Rated voltage	32 V / 150 V
Cable outlet	4,1-7,8 mm
Schutzart	IP67 in mated condition
Degree of protection	AG (silver), Au (gold)
Termination	solder, crimp



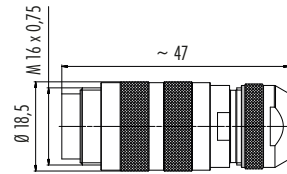
423 Series • M16 Cable connectors, short Version, shieldable

- Product launch 423 Series
- Shieldable with cable clamp
- Cable outlet 4.1 – 7.8 mm
- Length approx. 47 mm
- > 500 Mating cycles
- IP67 in mated condition
- Solder and crimp connection
- Crimp contacts must be ordered separately
- Other pole numbers on request
- Available from now on



Description

Male cable connector with cable clamp, solder contacts, shieldable

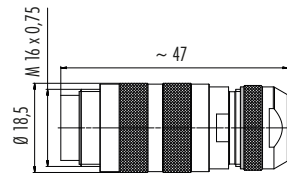


Contacts

Ordering-No.

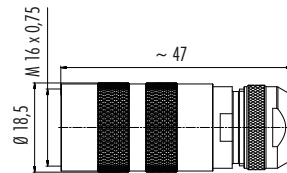
2	99 5101 60 02
3 DIN	99 5105 60 03
4	99 5109 60 04
5	99 5113 60 05
6 DIN	99 5121 60 06
7	99 5125 60 07
8 DIN	99 5171 60 08
12	99 5129 60 12
19	99 5461 60 19

Male cable connector with cable clamp, crimp contacts, shieldable



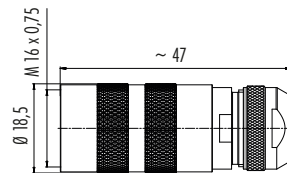
4	99 5109 760 04
5	99 5113 760 05
6 DIN	99 5121 760 06
7	99 5125 760 07
8 DIN	99 5171 760 08

Female cable connector with cable clamp, solder contacts, shieldable

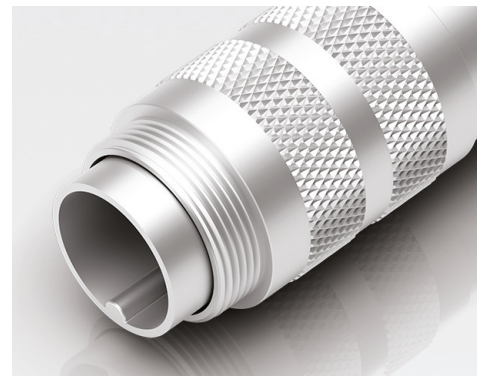


2	99 5102 60 02
3 DIN	99 5106 60 03
4	99 5110 60 04
5	99 5114 60 05
6 DIN	99 5122 60 06
7	99 5126 60 07
8 DIN	99 5172 60 08
12	99 5130 60 12
14	99 5152 60 14
19	99 5462 60 19

Female cable connector with cable clamp, crimp contacts, shieldable



4	99 5110 760 04
5	99 5114 760 05
6 DIN	99 5122 760 06
7	99 5126 760 07
8 DIN	99 5172 760 08



Solder Versions

Number of contacts	2	3 DIN	4	5	6 DIN	7	8 DIN	12	14	19	
Connector locking system	screw										
Termination	solder										
Wire gauge	max. 0,75 mm ² (max. AWG 18)							max. 0,25 mm ² (max. AWG 24)			
Cable outlet	4,1–7,8 mm										
Degree of protection	IP67										
Mechanical operation	> 500 mating cycles										
Upper temperature	+ 95 °C										
Lower temperature	– 30 °C										
Rated voltage	150 V (250 V)			150 V (250 V)		32 V (125 V)		32 V (60 V)			
Rated impulse voltage	1500 V			1500 V		500 V (800 V)		500 V			
Pollution degree	2 (1) ¹⁾										
Overvoltage categorie	II (I) ¹⁾										
Material group	III										
Rated current (40 °C)	7 A		6 A		5 A			3 A			
Material of contact	Pin CuZn (brass), Socket CuSn (bronze)										
Contact plating	Ag (silver)/Au (gold)							Au (gold)			
Material of contact body	PBT										
Material of housing	CuZn (brass, nickel plated)										
Material of locking	CuZn (brass, nickel plated)										

¹⁾ In case of pollution degree 1, overvoltage category I rated voltage is increased.

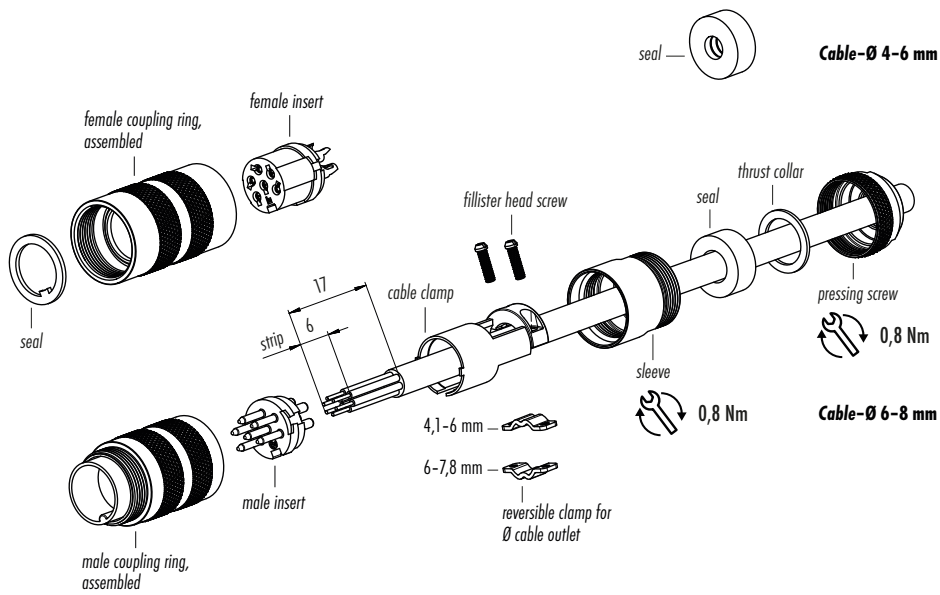
Crimp Versions

Number of contacts	4	5	6 DIN	7	8 DIN	
Connector locking system	screw					
Termination	crimp					
Wire gauge	4–6 pol. 0,14 mm ² –1,0 mm ² (AWG 26–AWG 18), 7+8 pol. 0,14 mm ² –0,75 mm ² (AWG 26–AWG 20)					
Cable outlet	4,1–7,8 mm					
Degree of protection	IP67					
Mechanical operation	> 500 Steckzyklen					
Upper temperature	+ 100 °C					
Lower temperature	– 40 °C					
Rated voltage	150 V (250 V)			32 V (125 V)		32 V (60 V)
Rated impulse voltage	1500 V			500 V (800 V)		500 V
Pollution degree	2 (1) ¹⁾					
Overvoltage categorie	II (I) ¹⁾					
Material group	II					
Rated current (40 °C)	6 A			5 A		
Material of contact	—					
Contact plating	See crimp contacts page 7.					
Material of contact body	PBT					
Material of housing	CuZn (brass, nickel plated)					
Material of locking	CuZn (brass, nickel plated)					

¹⁾ In case of pollution degree 1, overvoltage category I rated voltage is increased.

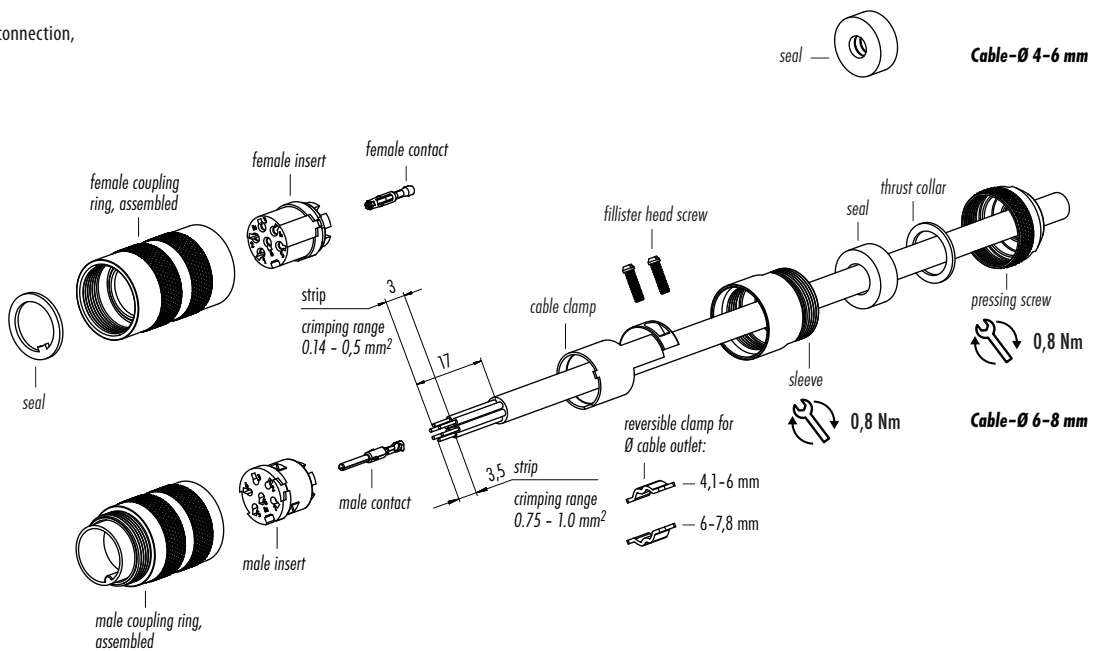
Cable connectors, short version, shieldable

1. Bead pressing screw, thrust collar, seal, sleeve and cable clamp to cable.
2. Dismantle cable to 17 mm length.
3. Strip single wires.
4. Solder single wires and insert contact insert into coupling ring.
5. Mount clamping device.
6. Screw sleeve into coupling ring.
7. Tighten pressing screw.



Cable connectors, short version, crimp connection, shieldable

1. Bead pressing screw, thrust collar, seal, sleeve and cable clamp to cable.
2. Dismantle cable to 17 mm length.
3. Strip single wires.
4. Crimp contacts and insert into contact insert.
5. Insert contact insert into coupling ring.
6. Mount clamping device.
7. Screw sleeve into coupling ring.
8. Tighten pressing screw.



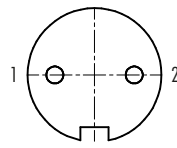
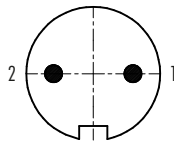
Male insert (mating side)

Female insert (mating side)

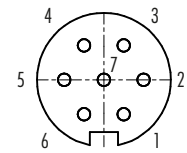
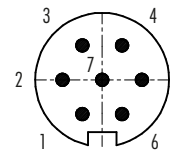
Male insert (mating side)

Female insert (mating side)

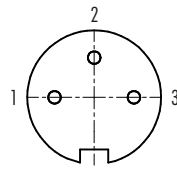
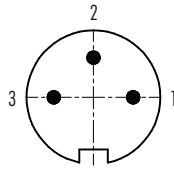
2 contacts



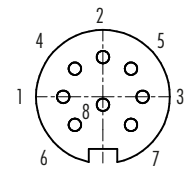
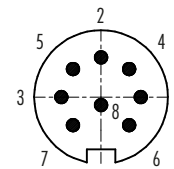
7 contacts



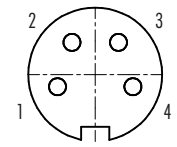
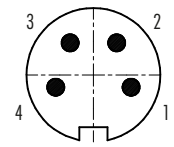
3 contacts (DIN 41524)



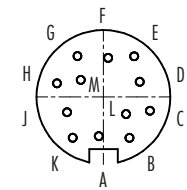
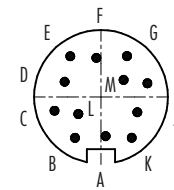
8 contacts (DIN 45326)



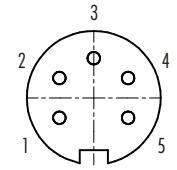
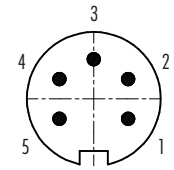
4 contacts



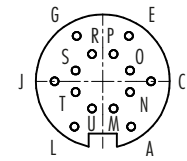
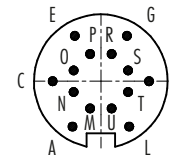
12 contacts



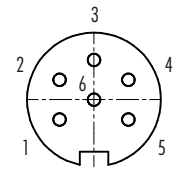
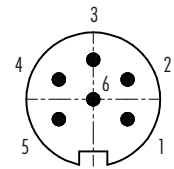
5 contacts



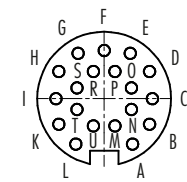
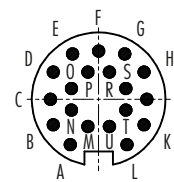
14 contacts



6 contacts (DIN 45322)



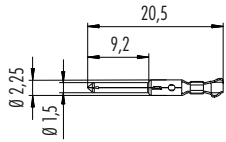
19 contacts



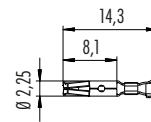
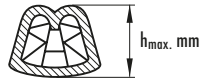
Single contact (male), PU 50 pieces



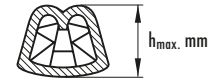
Single contact (female), PU 50 pieces



Crimp measures, height dimension (standard value)

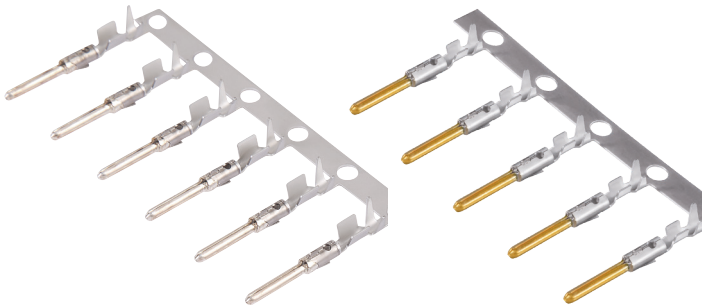


Crimp measures, height dimension (standard value)

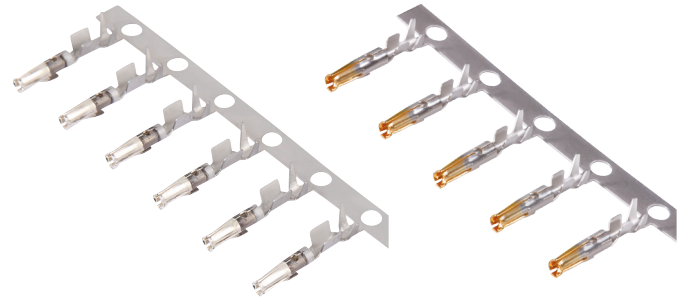


Specifications	0,14 mm ² – 0,25 mm ²		0,35 mm ² – 0,5 mm ²		0,75 mm ² – 1,0 mm ²	
Wire gauge mm ²	0,14 mm ² – 0,25 mm ²		0,35 mm ² – 0,5 mm ²		0,75 mm ² – 1,0 mm ²	
Conductor cross section mm ²	0,14 mm ² (AWG 26)	0,25 mm ² (AWG 24)	0,35 mm ² (AWG 22)	0,5 mm ² (AWG 20)	0,75 mm ² (AWG 20-18)	1,0 mm ² (AWG 18-16)
Insulation Ø	Ø 1,0 – 2,0 mm				Ø 1,6 – 2,1 mm	
Crimp measures (standard value)	0,9 – 1,0 mm	0,92 – 1,09 mm	0,93 – 1,1 mm	0,95 – 1,12 mm	1,2 – 1,33 mm	1,3 – 1,45 mm
Crimp extraction force acc. to DIN EN 60352-2	24 N	42 N	53 N	73 N	90 N	110 N

Strip contact (male)



Strip contact (female)



Pin-Ø	Insulating-Ø	WG mm ²	Packaging	Pieces	Silver (Ag)	Gold (Au)
1,5 mm	1,0 – 2,0 mm	0,14 – 0,25	Single	50	61 0799 085 00	61 0799 098 00
			Strip	200	65 0799 085 01	65 0799 098 01
			Strip	2000	65 0799 085 02	65 0799 098 02
		0,35 – 0,5	Single	50	61 0795 085 00	61 0795 098 00
			Strip	200	65 0795 085 01	65 0795 098 01
			Strip	2000	65 0795 085 02	65 0795 098 02
	1,6 – 2,1 mm	0,75 – 1,0	Single	50	61 0796 085 00	61 0796 098 00
			Strip	200	65 0796 085 01	65 0796 098 01
			Strip	2000	65 0796 085 02	65 0796 098 02

Pin-Ø	Insulating-Ø	WG mm ²	Packaging	Pieces	Silver (Ag)	Gold (Au)
1,5 mm	1,0 – 2,0 mm	0,14 – 0,25	Single	50	61 0800 085 00	61 0800 098 00
			Strip	200	65 0800 085 01	65 0800 098 01
			Strip	2000	65 0800 085 02	65 0800 098 02
		0,35 – 0,5	Single	50	61 0797 085 00	61 0797 098 00
			Strip	200	65 0797 085 01	65 0797 098 01
			Strip	2000	65 0797 085 02	65 0797 098 02
	1,6 – 2,1 mm	0,75 – 1,0	Single	50	61 0798 085 00	61 0798 098 00
			Strip	200	65 0798 085 01	65 0798 098 01
			Strip	2000	65 0798 085 02	65 0798 098 02

