

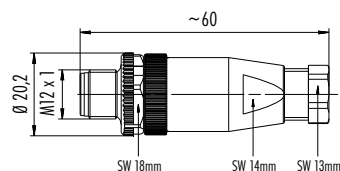


- Screw locking acc. to DIN EN 61076-2-101
 - Degree of protection IP67
 - Moulded versions
 - Easy assembly
 - Excellent EMC shielding
 - Versions with shielding rings/iris type spring
 - Angled connectors adjustable in 4 positions
 - Outdoor versions
- Degree of protection IP68/IP69

Description

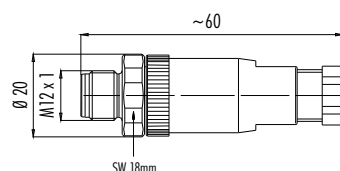
Drawing

Male cable connector, screw clamp, solder termination on contact 12/wire clamp



Contacts	Cable outlet	Screw clamp ¹⁾	Wire clamp
3	4–6 mm	99 0429 07 04	–
	6–8 mm	99 0429 158 04	–
	2,5–3,5 mm	99 0429 314 04	–
4	4–6 mm	99 0429 14 04	99 0525 14 04
	6–8 mm	99 0429 12 04	99 0525 12 04
5	4–6 mm	99 0437 14 05	99 0537 14 05
	6–8 mm	99 0437 12 05	99 0537 12 05
8	6–8 mm	99 0487 12 08	–
12 ¹⁾	6–8 mm	99 0491 12 12	–

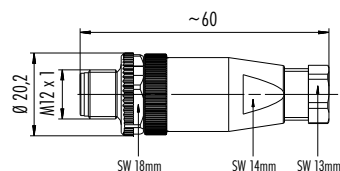
Male cable connector, stainless steel locking ring, screw clamp



4	4–6 mm	99 0429 82 04
	6–8 mm	99 0429 282 04
5	4–6 mm	99 0437 82 05
	6–8 mm	99 0437 282 05
8	6–8 mm	99 0487 282 08



Male cable connector, crimp

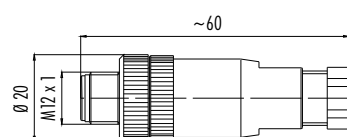


4	4–6 mm	99 0529 14 04
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NEW

Crimp contacts see page 103/129

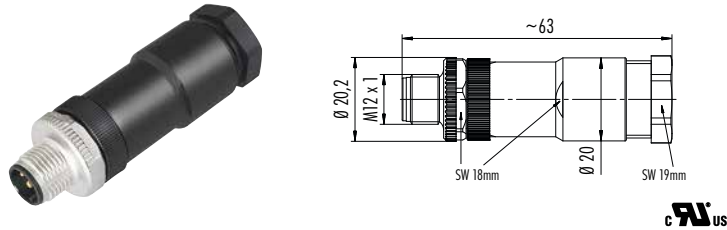
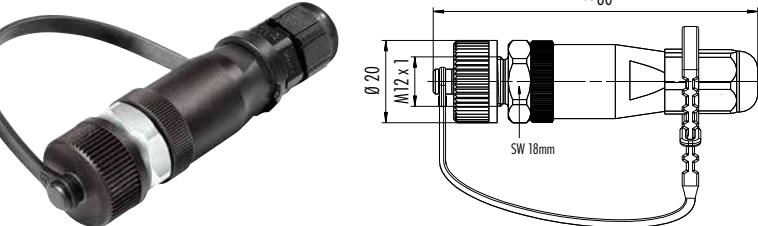
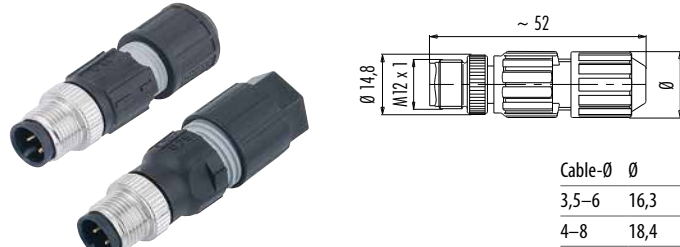
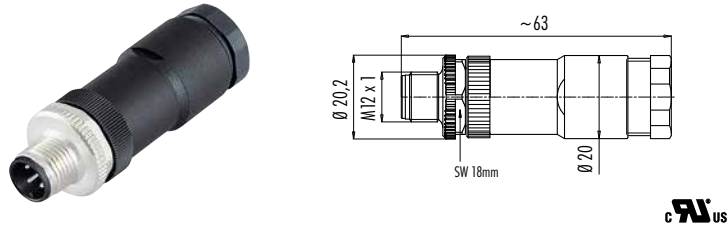
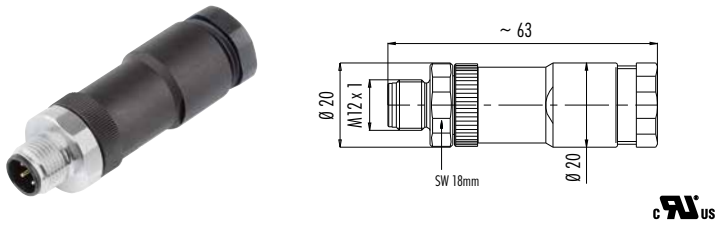
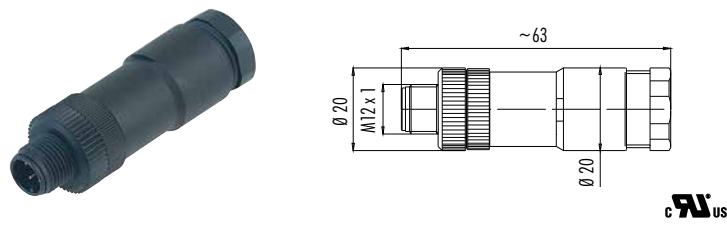
Male cable connector, plastic locking system, screw clamp

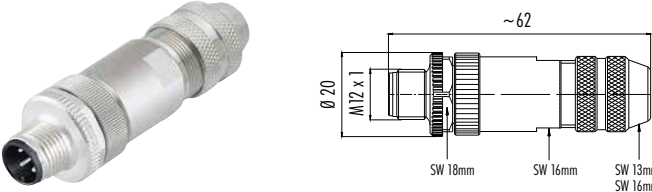


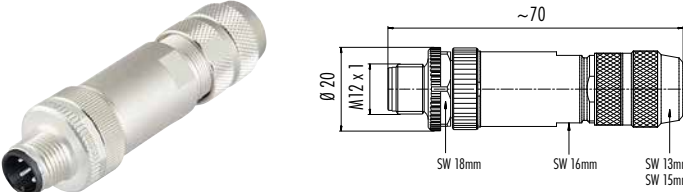
4	4–6 mm	99 0429 43 04
	6–8 mm	99 0429 57 04
5	4–6 mm	99 0437 43 05
	6–8 mm	99 0437 57 05

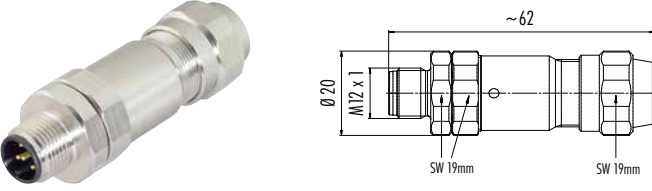


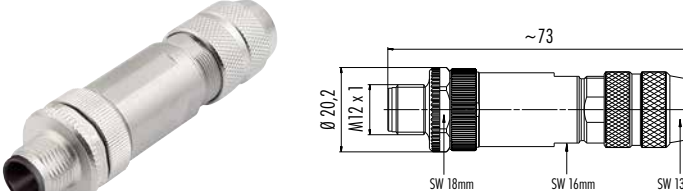
Specifications	Cable connector plastic version				
Contacts	3	4	5	8	12
Wire gauge	max. 0,75 mm² (max. AWG 20), Power max. 1,5 mm² (max. AWG 16), screw clamp 0,14–0,75 mm² (AWG 26–18)			max. 0,5 mm² (max. AWG 20)	max. 0,25 mm² (max. AWG 24)
Mechanical operation	Optalloy > 50 Mating cycles, Gold > 100 Mating cycles			Gold > 100 Mating cycles	
Temperature range	– 40 °C /+ 85 °C, Outdoor – 40 °C /+ 100 °C, screw clamp – 25 °C /+ 80 °C				
Rated voltage	250 V		60 V	30 V	
Pollution degree	3				
Rated current (40°C)	4 A	4 A, Power 8 A	4 A, Power cont. 1-4 8 A, cont. 5 2 A	2 A	1,5 A
Contact plating	screw clamp termination: CuSnZn (Optalloy), others Au (Gold)			Au (Gold)	
Material of housing	PA				

Description	Drawing	Contacts	Cable outlet	Ordering-No.							
Male cable connector, Power		4 5	8–10 mm	99 0429 19 04 99 0437 19 05							
Male cable connector, Outdoor, screw clamp, IP68, IP69		4	4–6,5 mm	99 0429 684 04							
NEW											
Male cable connector, IDT connection	 <table><tr><td>Cable-Ø</td><td>Ø</td></tr><tr><td>3,5–6</td><td>16,3</td></tr><tr><td>4–8</td><td>18,4</td></tr></table>	Cable-Ø	Ø	3,5–6	16,3	4–8	18,4	4	0,14–0,34 mm ² 0,34–0,75 mm ²	3,5–6 mm 4–8 mm	99 0527 14 04 99 0527 12 04
Cable-Ø	Ø										
3,5–6	16,3										
4–8	18,4										
Male cable duo connector, screw clamp		4 5 8	2 cables 2,1–3 mm/ 4–5 mm	99 0429 186 04 99 0437 186 05 99 0487 186 08							
Male cable duo connector, stainless steel locking ring, screw clamp		4 5 8	2 cables 2,1–3 mm/ 4–5 mm	99 0429 287 04 99 0437 287 05 99 0487 287 08							
Male cable duo connector, plastic locking system, screw clamp		4 5	2 cables 2,1–3 mm/ 4–5 mm	99 0429 142 04 99 0437 142 05							

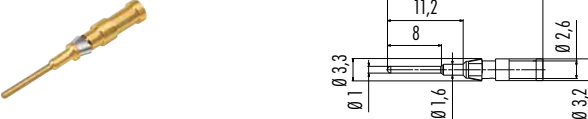
Description	Drawing	Contacts	Cable outlet	Screw clamp ¹⁾	Wire clamp
Male cable connector, screw clamp/wire clamp, with shielding ring, shieldable, solder termination on contact 12		4	4–6 mm	99 1429 814 04	 99 1525 814 04
			6–8 mm	99 1429 812 04	 99 1525 812 04
		5	4–6 mm	99 1437 814 05	 99 1537 814 05
			6–8 mm	99 1437 812 05	 99 1537 812 05
		8	6–8 mm	99 1487 812 08	 –
			8–10 mm	99 1487 914 08	 –
		12 ¹⁾	6–8 mm	99 1491 812 12	 –

Male cable connector, screw clamp/wire clamp, iris type spring, shieldable		4	5–8 mm	99 1431 814 04	 99 1527 814 04
		5	5–8 mm	99 1439 814 05	 99 1539 814 05
		8	5–8 mm	99 1489 814 08	 –
			8–9 mm	99 1489 812 08	 –

Male cable connector, screw clamp, with shielding ring, stainless steel version, shieldable		4	3–5,5 mm	99 1429 991 04	
			5,5–8,6 mm	99 1429 992 04	
		5	3–5,5 mm	99 1437 991 05	
			5,5–8,6 mm	99 1437 992 05	
		8	5,5–8,6 mm	99 1487 992 08	

Male cable connector, crimp, shieldable		4	5–8 mm	99 1433 814 04	

NEW

Crimp contacts see page 103/129				
Male contact, PU 100 pieces		Wire gauge	AWG	Ordering-No.
		0,14 mm ² – 0,34 mm ²	26–22	61 1224 146
		0,34 mm ² – 0,5 mm ²	22–20	61 1154 146
		0,75 mm ² – 1,0 mm ²	18–16	61 1225 146
		1,0 mm ² – 1,5 mm ²	16	61 1226 146

NEW

Specifications	Cable connector metal version			
Contacts	4	5	8	12
Wire gauge	screw clamp max. 0,75 mm² (max. AWG 20), wire clamp max. 0,5 mm² (max. AWG 20)		max. 0,5 mm² (max. AWG 20)	max. 0,25 mm² (max. AWG 24)
Mechanical operation	> 100 Mating cycles			
Temperature range	– 40 °C /+ 85 °C			
Rated voltage	250 V	60 V	30 V	
Degree of contamination	3			
Rated current (40°C)	4 A		2 A	1,5 A
Contact plating	Au (Gold)			
Material Housing	straight, shielded version CuZn (brass nickel plated), angled shielded versions zinc diecasting nickel plated			

Description	Drawing	Contacts	Cable outlet	Screw clamp ¹⁾	Wire clamp
Male angled connector, screw clamp, solder termination on contact 12/wire clamp		3	4–6 mm 6–8 mm 2,5–3,5 mm	99 0429 27 04 99 0429 161 04 99 0429 324 04	– – –
		4	4–6 mm 6–8 mm	99 0429 24 04 99 0429 52 04	99 0525 24 04 99 0525 52 04
		5	4–6 mm 6–8 mm	99 0437 24 05 99 0437 52 05	99 0537 24 05 99 0537 52 05
		12 ¹⁾	6–8 mm	99 0491 52 12	–
Male angled connector, stainless steel locking ring, screw clamp		4	4–6 mm 6–8 mm	99 0429 92 04 99 0429 292 04	
		5	4–6 mm 6–8 mm	99 0437 92 05 99 0437 292 05	
Male angled connector, plastic locking system, screw clamp		4	4–6 mm	99 0429 44 04	
		5	4–6 mm	99 0437 44 05	
Male angled connector, Power		4	8–10 mm	99 0429 58 04	
		5		99 0437 58 05	
	It is possible to turn and fix the contact carrier in 4 different 90° positions				
Duo male angled connector, screw clamp		4	2 cables 2,1–3 mm/	99 0429 286 04	
		5	4–5 mm	99 0437 286 05	
Duo male angled connector, plastic locking system, screw clamp		4	2 cables 2,1–3 mm/	99 0429 162 04	
		5	4–5 mm	99 0437 162 05	

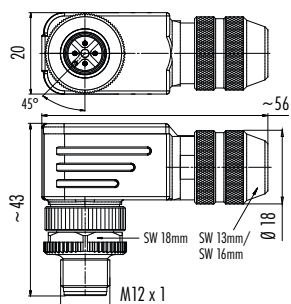
¹⁾Version with solder contacts.

Description

Male angled connector, screw clamp/wire clamp, with shielding ring, shieldable, solder termination on contact 12



Drawing



It is possible to turn and fix the contact carrier in 4 different 90° positions

Contacts

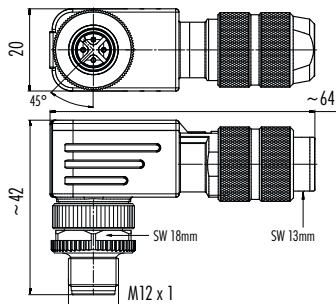
Cable outlet

Screw clamp ¹⁾

Wire clamp

4	4–6 mm	99 1429 824 04		99 1525 824 04
	6–8 mm	99 1429 822 04		99 1525 822 04
5	4–6 mm	99 1437 824 05		99 1537 824 05
	6–8 mm	99 1437 822 05		99 1537 822 05
12 ¹⁾	6–8 mm	99 1491 822 12		—

Male angled connector, screw clamp/wire clamp, iris type spring, shieldable



It is possible to turn and fix the contact carrier in 4 different 90° positions

4	5–8 mm	99 1431 824 04		99 1527 824 04
5	5–8 mm	99 1439 824 05		99 1539 824 05

Contact arrangements male insert (mating side)

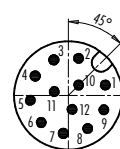
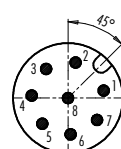
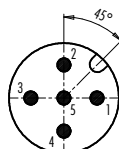
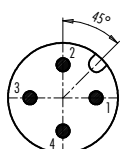
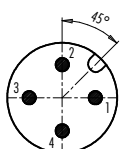
3 contacts

4 contacts

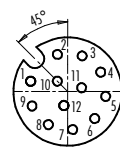
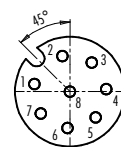
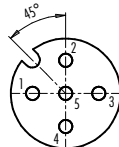
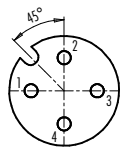
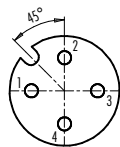
5 contacts/5 contacts CAN-Bus

8 contacts

12 contacts



Contact arrangements female insert (mating side)



Colour of wire, moulded cable and panel mount connectors

3–5 contacts

- 1 brown
- 2 not connected/white
- 3 blue
- 4 black
- 5 grey

5 contacts CAN-Bus

- 1 Shield
- 2 red (AWG 22)
- 3 black (AWG 22)
- 4 white (AWG 24)
- 5 blue (AWG 24)

8 contacts

- 1 white
- 2 brown
- 3 green
- 4 yellow
- 5 grey
- 6 pink
- 7 blue
- 8 red

12 contacts

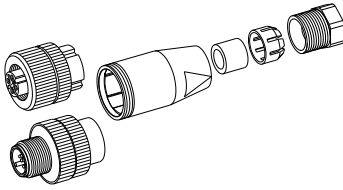
- 1 brown
- 2 blue
- 3 white
- 4 green
- 5 pink
- 6 yellow
- 7 black
- 8 grey
- 9 red
- 10 purple
- 11 grey/pink
- 12 red/blue

Contact 2 is not connected at 3 pole version.

Shielded versions: Shield on housing or at 8 pole version on contact 8.

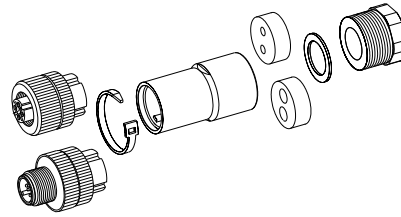
Component part drawing

Cable connectors, not shieldable



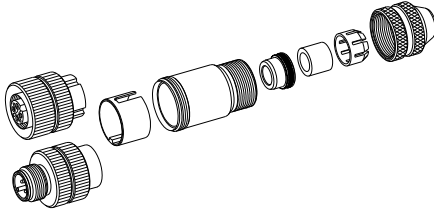
Female insert/
Male insert
Sleeve
Seal
Pinch ring
Pressing screw

Cable duo connectors, not shieldable



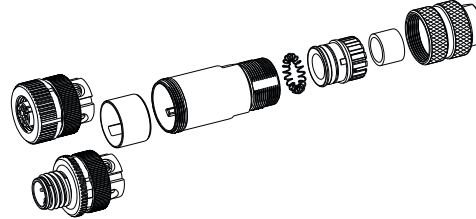
Female insert/
Male insert
Cable binder
Sleeve
Seal
Thrust collar
Pressing screw

Cable connectors, with shielding ring, shieldable



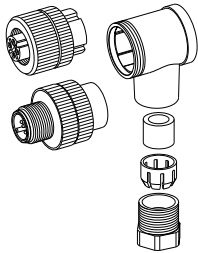
Female insert/
Male insert
Insulating sleeve tightly
built into coupling sleeve
Shielding ring
O-ring
Seal
Pinch ring
Pressing screw

Cable connectors, with iris type spring, shieldable



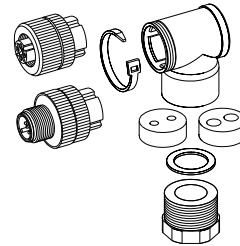
Female insert/
Male insert
Insulating sleeve, Sleeve,
Pressing spring, O-ring,
Pinch ring, Seal,
Pressing screw
are premounted

Angled connectors, not shieldable



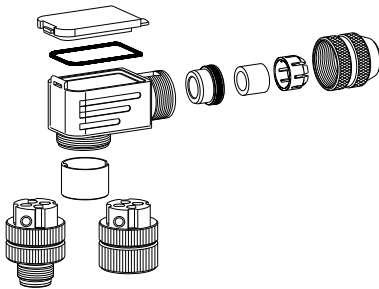
Female insert/
Male insert
Angled housing
Seal
Pinch ring
Pressing screw

Duo male angled connectors, not shieldable



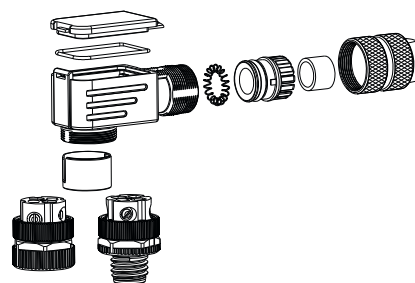
Female insert/
Male insert
Cable binder
Angled housing
Seal
Thrust collar
Pressing screw

Angled connectors, with shielding ring, shieldable

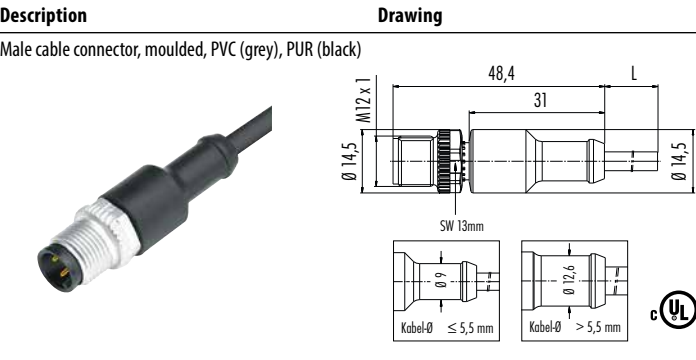
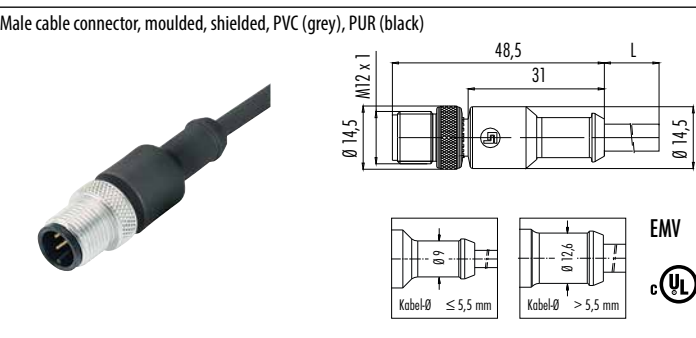
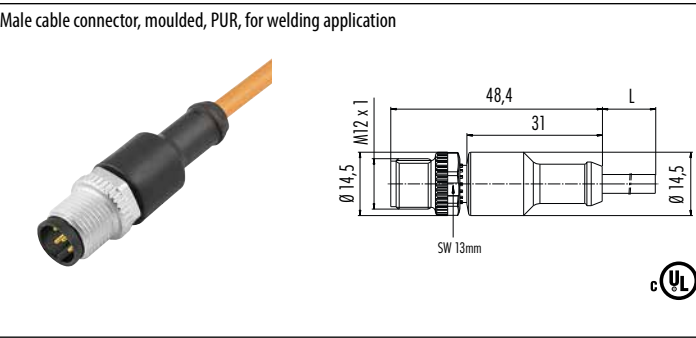
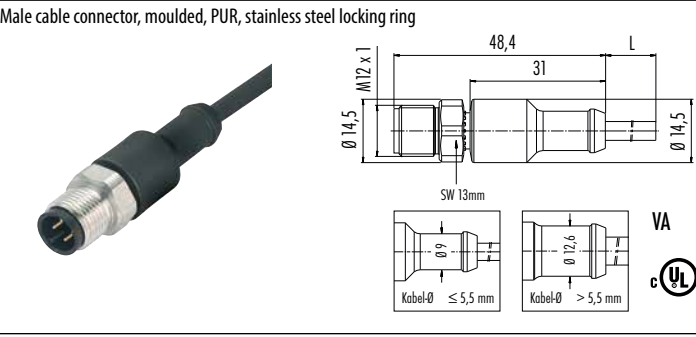
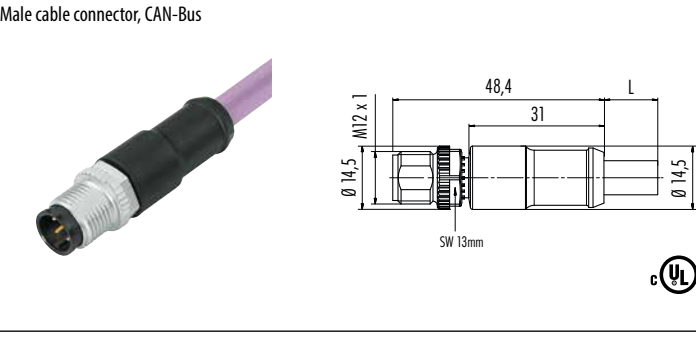
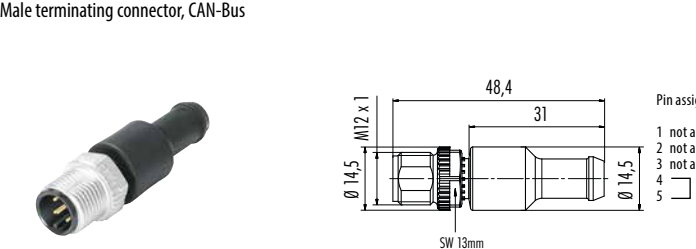


Female insert/
Male insert
Insulating sleeve tightly
built into coupling sleeve
Housing
Seal
Cover
Shielding ring
O-ring
Seal
Pinch ring
Pressing screw

Angled connectors, with iris type spring, shieldable



Female insert/
Male insert
Insulating sleeve, Housing,
Pressing spring, O-ring,
Pinch ring, Seal,
Pressing screw
are premounted
O-ring
Cover

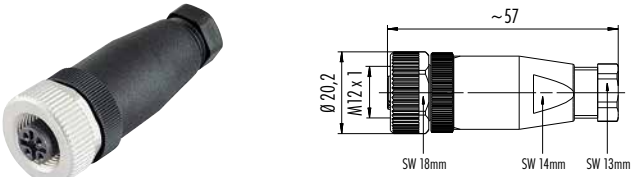
Description	Drawing	Contacts	Cable length	PVC (cable grey) ¹⁾	PUR (cable black) ¹⁾
Male cable connector, moulded, PVC (grey), PUR (black)		3 x 0,34	2 m 5 m	77 3429 0000 20003-0200 77 3429 0000 20003-0500	77 3429 0000 50003-0200 77 3429 0000 50003-0500
		4 x 0,34	2 m 5 m	77 3429 0000 20004-0200 77 3429 0000 20004-0500	77 3429 0000 50004-0200 77 3429 0000 50004-0500
		5 x 0,25	2 m 5 m	77 3429 0000 20005-0200 77 3429 0000 20005-0500	77 3429 0000 50005-0200 77 3429 0000 50005-0500
		8 x 0,25 ²⁾	2 m 5 m	– –	77 3429 0000 50608-0200 77 3429 0000 50608-0500
		8 x 0,25	2 m 5 m	77 3429 0000 20708-0200 77 3429 0000 20708-0500	77 3429 0000 50708-0200 77 3429 0000 50708-0500
		12 x 0,25	2 m 5 m	77 3429 0000 20712-0200 77 3429 0000 20712-0500	77 3429 0000 50712-0200 77 3429 0000 50712-0500
Male cable connector, moulded, shielded, PVC (grey), PUR (black)		3 x 0,34	2 m 5 m	77 3529 0000 20703-0200 77 3529 0000 20703-0500	77 3529 0000 50703-0200 77 3529 0000 50703-0500
		4 x 0,34	2 m 5 m	77 3529 0000 20704-0200 77 3529 0000 20704-0500	77 3529 0000 50704-0200 77 3529 0000 50704-0500
		5 x 0,25	2 m 5 m	77 3529 0000 20705-0200 77 3529 0000 20705-0500	77 3529 0000 50705-0200 77 3529 0000 50705-0500
		8 x 0,25	2 m 5 m	77 3529 0000 20708-0200 77 3529 0000 20708-0500	77 3529 0000 50708-0200 77 3529 0000 50708-0500
Male cable connector, moulded, PUR, for welding application		3 x 0,34	2 m 5 m	77 3429 0000 80003-0200 77 3429 0000 80003-0500	77 3429 0000 80203-0200 77 3429 0000 80203-0500
		4 x 0,34	2 m 5 m	77 3429 0000 80004-0200 77 3429 0000 80004-0500	77 3429 0000 80204-0200 77 3429 0000 80204-0500
		5 x 0,25	2 m 5 m	77 3429 0000 80005-0200 77 3429 0000 80005-0500	77 3429 0000 80205-0200 77 3429 0000 80205-0500
Male cable connector, moulded, PUR, stainless steel locking ring		3 x 0,34	2 m 5 m		77 3729 0000 50003-0200 77 3729 0000 50003-0500
		4 x 0,34	2 m 5 m		77 3729 0000 50004-0200 77 3729 0000 50004-0500
		5 x 0,25	2 m 5 m		77 3729 0000 50005-0200 77 3729 0000 50005-0500
		8 x 0,25	2 m 5 m		77 3729 0000 50708-0200 77 3729 0000 50708-0500
Male cable connector, CAN-Bus		5	2 m 5 m 10 m	77 2529 0000 50705-0200 77 2529 0000 50705-0500 77 2529 0000 50705-1000	
Male terminating connector, CAN-Bus		5	–	77 9839 0000 00005	

¹⁾Standard cable length is 2 m/5 m. Other length on request. ²⁾Shielded cable, shield on contact 8.

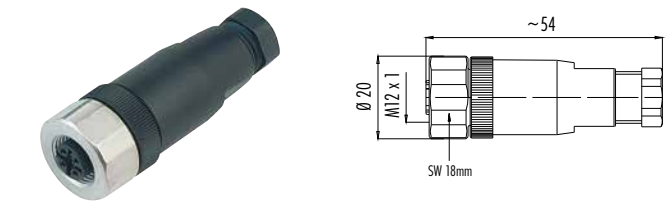
Description	Drawing	Contacts	Cable length	PVC (cable grey) ¹⁾	PUR (cable black) ¹⁾
Male angled connector, moulded, PVC (grey), PUR (black)		3 x 0,34 4 x 0,34 5 x 0,25 8 x 0,25 ²⁾ 8 x 0,25 12 x 0,25	2 m 5 m 2 m 5 m 2 m 5 m 2 m 5 m	77 3427 0000 20003-0200 77 3427 0000 20003-0500 77 3427 0000 20004-0200 77 3427 0000 20004-0500 77 3427 0000 20005-0200 77 3427 0000 20005-0500 77 3427 0000 20708-0200 77 3427 0000 20708-0500 77 3427 0000 20712-0200 77 3427 0000 20712-0500	77 3427 0000 50003-0200 77 3427 0000 50003-0500 77 3427 0000 50004-0200 77 3427 0000 50004-0500 77 3427 0000 50005-0200 77 3427 0000 50005-0500 77 3427 0000 50608-0200 77 3427 0000 50608-0500 77 3427 0000 50708-0200 77 3427 0000 50712-0200 77 3427 0000 50712-0500
Male angled connector, moulded, shielded, PVC (grey), PUR (black)		3 x 0,34 4 x 0,34 5 x 0,25 8 x 0,25	2 m 5 m 2 m 5 m 2 m 5 m	77 3527 0000 20703-0200 77 3527 0000 20703-0500 77 3527 0000 20704-0200 77 3527 0000 20704-0500 77 3527 0000 20705-0200 77 3527 0000 20705-0500 77 3527 0000 20708-0200 77 3527 0000 20708-0500	77 3527 0000 50703-0200 77 3527 0000 50703-0500 77 3527 0000 50704-0200 77 3527 0000 50704-0500 77 3527 0000 50705-0200 77 3527 0000 50705-0500 77 3527 0000 50708-0200 77 3527 0000 50708-0500
Male angled connector, moulded, PUR, for welding application		3 x 0,34 4 x 0,34 5 x 0,25	2 m 5 m 2 m 5 m	77 3427 0000 80003-0200 77 3427 0000 80003-0500 77 3427 0000 80004-0200 77 3427 0000 80004-0500 77 3427 0000 80005-0200 77 3427 0000 80005-0500	77 3427 0000 80203-0200 77 3427 0000 80203-0500 77 3427 0000 80204-0200 77 3427 0000 80204-0500 77 3427 0000 80205-0200 77 3427 0000 80205-0500
Male angled connector, moulded, PUR, stainless steel locking ring		3 x 0,34 4 x 0,34 5 x 0,25 8 x 0,25	2 m 5 m 2 m 5 m 2 m 5 m	77 3727 0000 50003-0200 77 3727 0000 50003-0500 77 3727 0000 50004-0200 77 3727 0000 50004-0500 77 3727 0000 50005-0200 77 3727 0000 50005-0500 77 3727 0000 50708-0200 77 3727 0000 50708-0500	77 3727 0000 50003-0200 77 3727 0000 50003-0500 77 3727 0000 50004-0200 77 3727 0000 50004-0500 77 3727 0000 50005-0200 77 3727 0000 50005-0500 77 3727 0000 50708-0200 77 3727 0000 50708-0500
Male angled connector, moulded, PVC (grey), PUR (black), with LED, PNP		3 x 0,34 4 x 0,34	2 m 5 m 2 m 5 m	77 3627 0000 20003-0200 77 3627 0000 20003-0500 77 3627 0000 20004-0200 77 3627 0000 20004-0500	77 3627 0000 50003-0200 77 3627 0000 50003-0500 77 3627 0000 50004-0200 77 3627 0000 50004-0500

Specifications	Cable connector, moulded				
Contacts	3	4	5	8	12
Wire gauge	0,34 mm² (AWG 22)		0,34 mm² (AWG 22), 0,25 mm² (AWG 24)		0,25 mm² (AWG 24)
Mechanical operation	> 100 Mating cycles				
Temperature range	– 25 °C /+ 90 °C (+ 80 °C UL)				
Rated voltage	250 V		60 V	30 V	
Pollution degree	3				
Rated current (40°C)	4 A			2 A	1 A
Contact plating	Au (Gold)				
Material of housing	PUR				

¹⁾ Standard cable length is 2 m/5 m. Other length on request. ²⁾ Shielded cable, shield on contact 8.

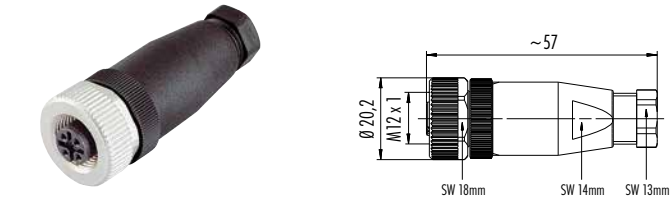
Description	Drawing	Contacts	Cable outlet	Screw clamp ¹⁾	Wire clamp
Female cable connector, screw clamp, solder termination on contact 12/wire clamp		3	4–6 mm	99 0430 07 04	—
			6–8 mm	99 0430 158 04	—
			2,5–3,5 mm	99 0430 314 04	—
		4	4–6 mm	99 0430 14 04	99 0524 14 04
			6–8 mm	99 0430 12 04	99 0524 12 04
		5	4–6 mm	99 0436 14 05	99 0536 14 05
			6–8 mm	99 0436 12 05	99 0536 12 05
		8	6–8 mm	99 0486 12 08	—
		12 ¹⁾	6–8 mm	99 0492 12 12	—

Female cable connector, stainless steel locking ring, screw clamp



4	4–6 mm	99 0430 82 04
	6–8 mm	99 0430 282 04
5	4–6 mm	99 0436 82 05
	6–8 mm	99 0436 282 05
8	6–8 mm	99 0486 282 08

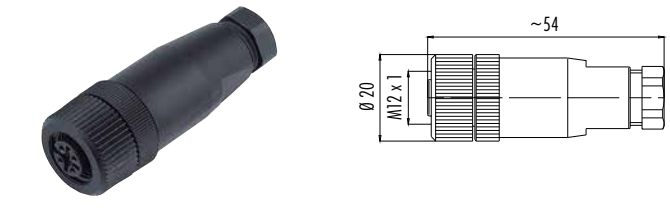
Female cable connector, crimp



NEW

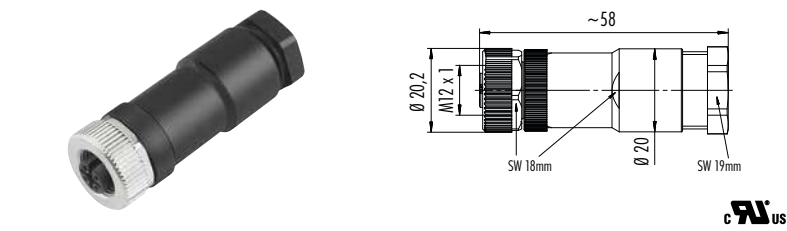
Crimp contacts see page 111/129

Female cable connector, plastic locking system, screw clamp

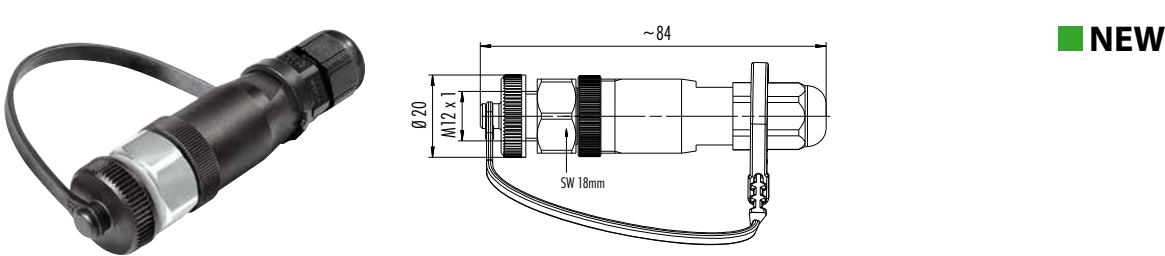


4	4–6 mm	99 0430 10 04	transparent housing
	6–8 mm	99 0430 57 04	
5	4–6 mm	99 0436 10 05	
	6–8 mm	99 0436 57 05	

Description	Drawing	Contacts	Cable outlet	Ordering-No.
Female cable connector, Power		4	8–10 mm	99 0430 19 04
		5		99 0436 19 05

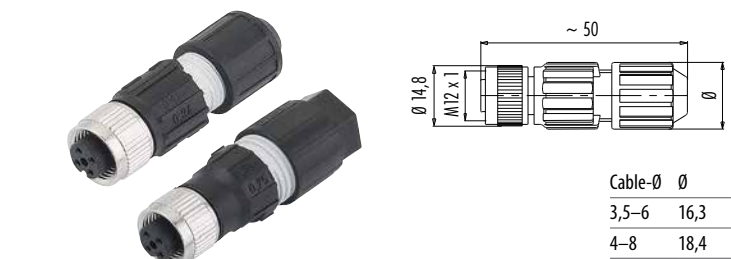


Female cable connector, Outdoor, screw clamp, IP68, IP69	4	4–6,5 mm	99 0430 684 04
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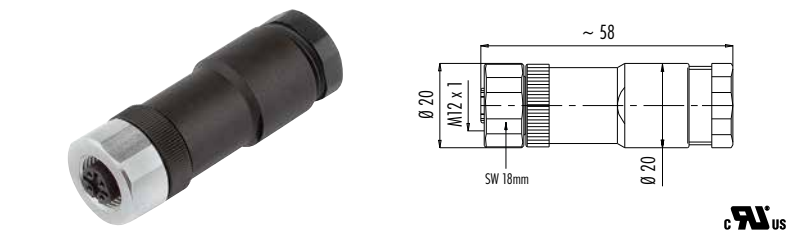


NEW

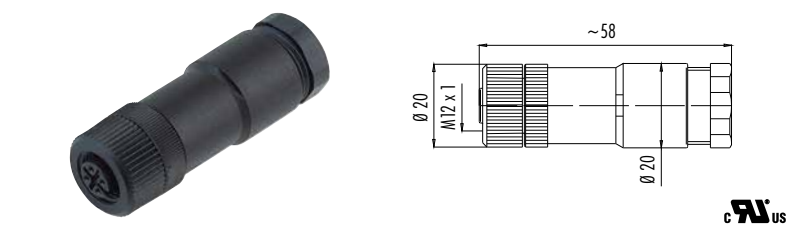
Female cable connector, IDT connection	Contacts	Wire gauge	Cable outlet	Ordering-No.
	4	0,14–0,34 mm ² 0,34–0,75 mm ²	3,5–6 mm 4–8 mm	99 0528 14 04 99 0528 12 04



Female cable duo connector, stainless steel locking ring, screw clamp	Contacts	Cable outlet	Ordering-No.
	4	2 cables	99 0430 287 04
	5	2,1–3 mm/	99 0436 287 05
	8	4–5 mm	99 0486 287 08



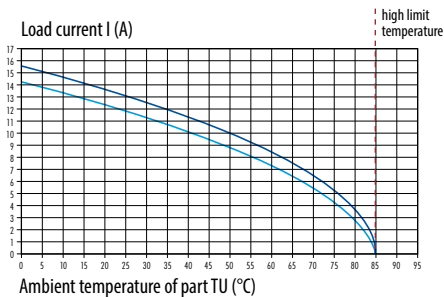
Female cable duo connector, plastic locking system, screw clamp	4	2 cables	99 0430 142 04
	5	2,1–3 mm/ 4–5 mm	99 0436 142 05



Rating

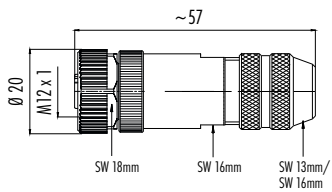
Derating curve
according to DIN EN 60512 for
Power-Cable connector

■ 4 contacts
■ 5 contacts



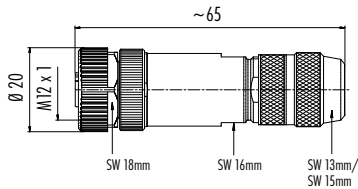
Description **Drawing**

Female cable connector, screw clamp/wire clamp, with shielding ring, shieldable, solder termination on contact 12



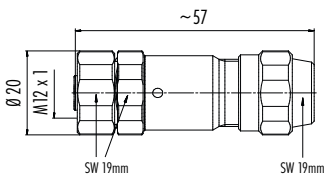
Contacts	Cable outlet	Screw clamp ¹⁾	Wire clamp
4	4–6 mm	99 1430 814 04	c US 99 1526 814 04
	6–8 mm	99 1430 812 04	c US 99 1526 812 04
5	4–6 mm	99 1436 814 05	c US 99 1538 814 05
	6–8 mm	99 1436 812 05	c US 99 1538 812 05
8	6–8 mm	99 1486 812 08	c US –
	8–10 mm	99 1486 914 08	c US –
12 ¹⁾	6–8 mm	99 1492 812 12	c US –

Female cable connector, screw clamp/wire clamp, iris type spring, shieldable



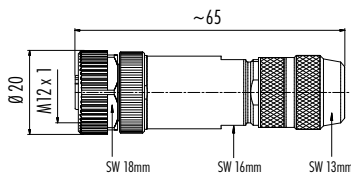
4	5–8 mm	99 1432 814 04	c US 99 1528 814 04
5	5–8 mm	99 1438 814 05	c US 99 1540 814 05
8	5–8 mm	99 1488 814 08	c US –
	8–9 mm	99 1488 812 08	c US –

Female cable connector, screw clamp, with shielding ring, stainless steel version, shieldable



4	3–5,5 mm	99 1430 991 04	
	5,5–8,6 mm	99 1430 992 04	
5	3–5,5 mm	99 1436 991 05	
	5,5–8,6 mm	99 1436 992 05	
8	5,5–8,6 mm	99 1486 992 08	

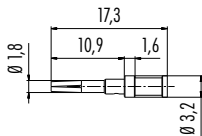
Female cable connector, crimp, shieldable



NEW

Crimp contacts see page 111/129

Female contact, PU 100 pieces



Wire gauge	AWG	Ordering-No.
0,14 mm ² – 0,34 mm ²	26–22	61 1227 146
0,34 mm ² – 0,5 mm ²	22–20	61 1155 146
0,75 mm ² – 1,0 mm ²	18–16	61 1228 146
1,0 mm ² – 1,5 mm ²	16	61 1229 146

NEW

Description

Drawing

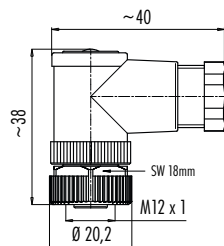
Contacts

Cable outlet

Screw clamp ¹⁾

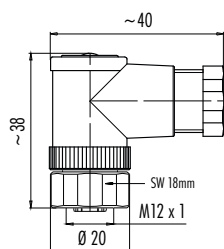
Wire clamp

Female angled connector, screw clamp, solder termination on contact 12/wire clamp



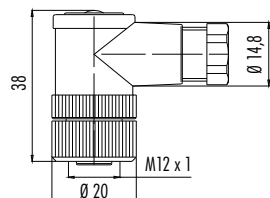
3	4–6 mm	99 0430 27 04		–
	6–8 mm	99 0430 161 04		–
	2,5–3,5 mm	99 0430 324 04		–
4	4–6 mm	99 0430 24 04		99 0524 24 04
	6–8 mm	99 0430 52 04		99 0524 52 04
5	4–6 mm	99 0436 24 05		99 0536 24 05
	6–8 mm	99 0436 52 05		99 0536 52 05
12 ¹⁾	6–8 mm	99 0492 52 12		–

Female angled connector, stainless steel locking ring, screw clamp



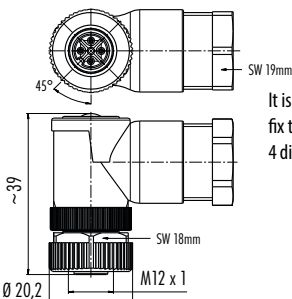
4	4–6 mm	99 0430 92 04		
	6–8 mm	99 0430 292 04		
5	4–6 mm	99 0436 92 05		
	6–8 mm	99 0436 292 05		

Female angled connector, plastic locking system, screw clamp



4	4–6 mm	99 0430 00 04		
		99 0430 20 04	transparent housing	
	6–8 mm	99 0430 69 04		
5		99 0430 68 04	transparent housing	
	4–6 mm	99 0436 00 05		
	6–8 mm	99 0436 69 05		

Female angled connector, Power

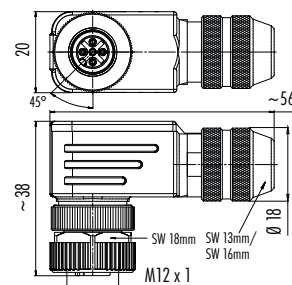


It is possible to turn and fix the contact carrier in 4 different 90° positions



4	8–10 mm	99 0430 58 04		
5		99 0436 58 05		

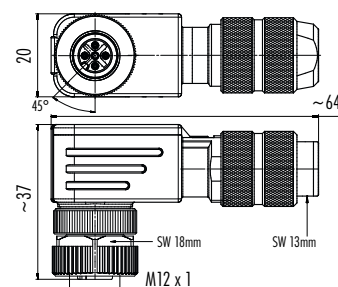
Female angled connector, screw clamp/wire clamp, with shielding ring, shieldable, solder termination on contact 12



It is possible to turn and fix the contact carrier in 4 different 90° positions

4	4–6 mm	99 1430 824 04		99 1526 824 04
	6–8 mm	99 1430 822 04		99 1526 822 04
5	4–6 mm	99 1436 824 05		99 1538 824 05
	6–8 mm	99 1436 822 05		99 1538 822 05
12 ¹⁾	6–8 mm	99 1492 822 12		–

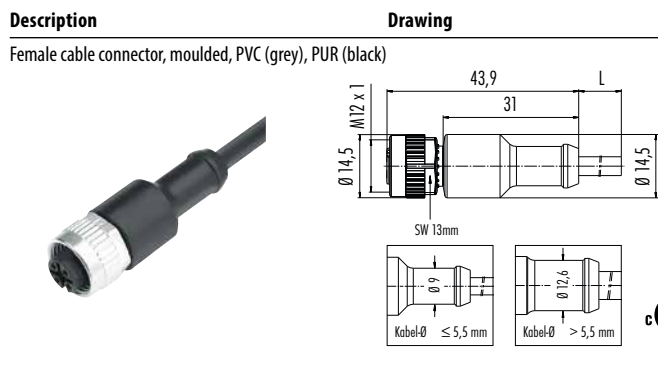
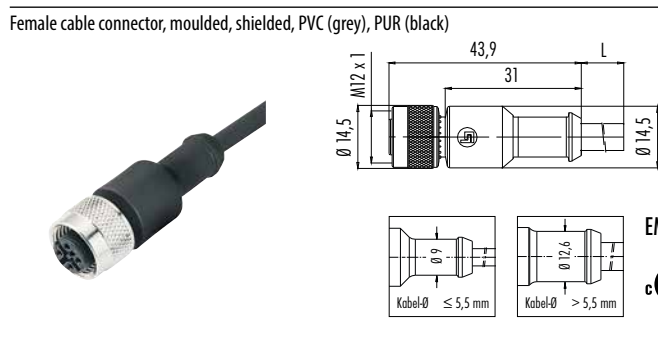
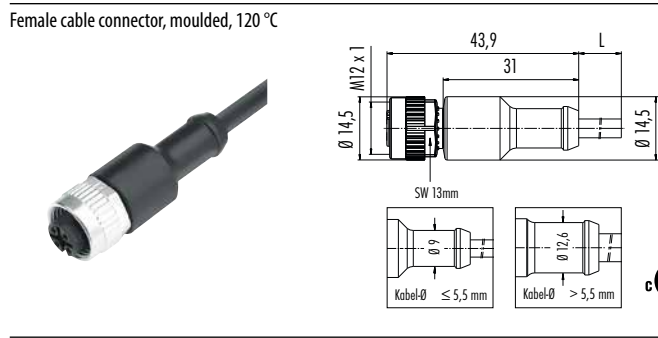
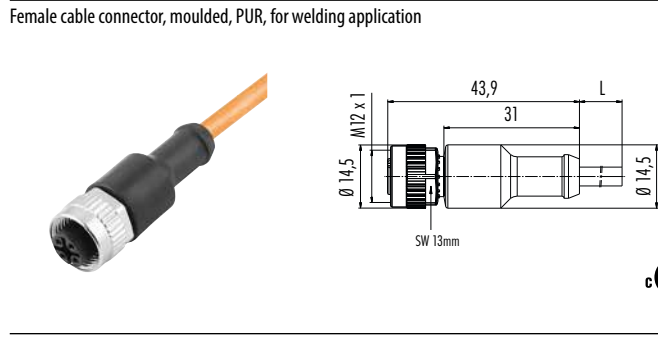
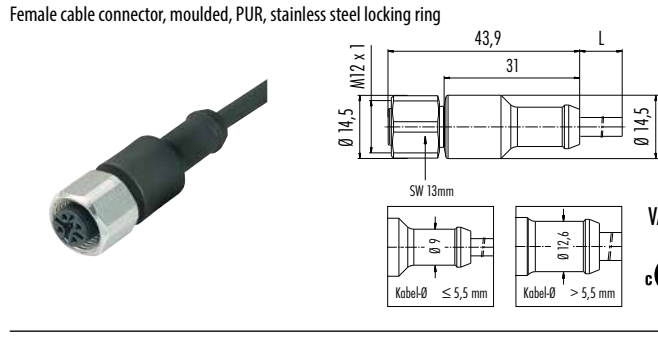
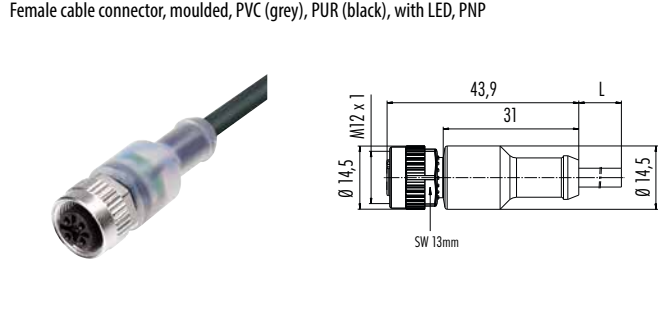
Female angled connector, screw clamp/wire clamp, iris type spring, shieldable



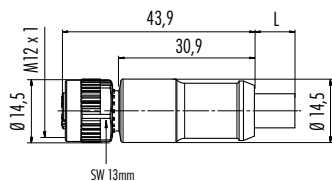
It is possible to turn and fix the contact carrier in 4 different 90° positions

4	5–8 mm	99 1432 824 04		99 1528 824 04
5	5–8 mm	99 1438 824 05		99 1540 824 05

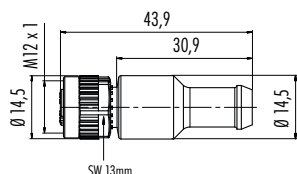
¹⁾Version with solder contacts.

Description	Drawing	Contacts	Cable length	PVC (cable grey) ¹⁾	PUR (cable black) ¹⁾
Female cable connector, moulded, PVC (grey), PUR (black)		3 x 0,34	2 m 5 m	77 3430 0000 20003-0200 77 3430 0000 20003-0500	77 3430 0000 50003-0200 77 3430 0000 50003-0500
		4 x 0,34	2 m 5 m	77 3430 0000 20004-0200 77 3430 0000 20004-0500	77 3430 0000 50004-0200 77 3430 0000 50004-0500
		5 x 0,25	2 m 5 m	77 3430 0000 20005-0200 77 3430 0000 20005-0500	77 3430 0000 50005-0200 77 3430 0000 50005-0500
		8 x 0,25 ²⁾	2 m 5 m	— —	77 3430 0000 50608-0200 77 3430 0000 50608-0500
		8 x 0,25	2 m 5 m	77 3430 0000 20708-0200 77 3430 0000 20708-0500	77 3430 0000 50708-0200 77 3430 0000 50708-0500
		12 x 0,25	2 m 5 m	77 3430 0000 20712-0200 77 3430 0000 20712-0500	77 3430 0000 50712-0200 77 3430 0000 50712-0500
Female cable connector, moulded, shielded, PVC (grey), PUR (black)		3 x 0,34	2 m 5 m	77 3530 0000 20703-0200 77 3530 0000 20703-0500	77 3530 0000 50703-0200 77 3530 0000 50703-0500
		4 x 0,34	2 m 5 m	77 3530 0000 20704-0200 77 3530 0000 20704-0500	77 3530 0000 50704-0200 77 3530 0000 50704-0500
		5 x 0,25	2 m 5 m	77 3530 0000 20705-0200 77 3530 0000 20705-0500	77 3530 0000 50705-0200 77 3530 0000 50705-0500
		8 x 0,25	2 m 5 m	77 3530 0000 20708-0200 77 3530 0000 20708-0500	77 3530 0000 50708-0200 77 3530 0000 50708-0500
Female cable connector, moulded, 120 °C		3 x 0,34	2 m 5 m		77 3430 0000 70003-0200 77 3430 0000 70003-0500
		4 x 0,34	2 m 5 m		77 3430 0000 70004-0200 77 3430 0000 70004-0500
Female cable connector, moulded, PUR, for welding application		3 x 0,34	2 m 5 m	77 3430 0000 80003-0200 77 3430 0000 80003-0500	77 3430 0000 80203-0200 77 3430 0000 80203-0500
		4 x 0,34	2 m 5 m	77 3430 0000 80004-0200 77 3430 0000 80004-0500	77 3430 0000 80204-0200 77 3430 0000 80204-0500
		5 x 0,25	2 m 5 m	77 3430 0000 80005-0200 77 3430 0000 80005-0500	77 3430 0000 80205-0200 77 3430 0000 80205-0500
Female cable connector, moulded, PUR, stainless steel locking ring		3 x 0,34	2 m 5 m		77 3730 0000 50003-0200 77 3730 0000 50003-0500
		4 x 0,34	2 m 5 m		77 3730 0000 50004-0200 77 3730 0000 50004-0500
		5 x 0,25	2 m 5 m		77 3730 0000 50005-0200 77 3730 0000 50005-0500
		8 x 0,25	2 m 5 m		77 3730 0000 50708-0200 77 3730 0000 50708-0500
Female cable connector, moulded, PVC (grey), PUR (black), with LED, PNP		3 x 0,34	2 m 5 m	77 3630 0000 20003-0200 77 3630 0000 20003-0500	77 3630 0000 50003-0200 77 3630 0000 50003-0500
		4 x 0,34	2 m 5 m	77 3630 0000 20004-0200 77 3630 0000 20004-0500	77 3630 0000 50004-0200 77 3630 0000 50004-0500

Description	Drawing	Contacts	Cable length	Ordering-No. ¹⁾
Female cable connector, CAN-Bus			2 m	77 2530 0000 50705-0200
		5	5 m	77 2530 0000 50705-0500
			10 m	77 2530 0000 50705-1000



Female terminating connector, CAN-Bus	5	–	77 9840 0000 00005
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Pin assignment

- 1 not assembled
- 2 not assembled
- 3 not assembled
- 4 Resistor
- 5 120 Ω

Specifications	Standard Cable									
Contacts	3		4		5		8		12	
Wire gauge	3 x 0,34 mm² (AWG 22)		4 x 0,34 mm² (AWG 22)		5 x 0,34 mm² (AWG 24)		8 x 0,25 mm² (AWG 24)		12 x 0,25 mm² (AWG 24)	
Material jacket	PVC	PUR	PVC	PUR	PVC	PUR	PVC	PUR	PVC	PUR
Insulation of wire	PVC	PP	PVC	PP	PVC	PP	PVC	PP	PVC	PP
Design of wire (mm)	32 x 0,1									
Cable diameter (mm)	4,5	4,3	4,8	4,7	4,8	4,7	6		6,6	6,5
Temperature range cable in move	PVC: – 5 °C /+ 105 °C PUR: – 25 °C /+ 90 °C (in chain flex application + 60 °C)									
Temperature range cable fixed	PVC: – 40 °C /+ 105 °C PUR: – 50 °C /+ 90 °C									
Bending radius (at 10 x D)	2 Mio.	5 Mio.	2 Mio.	5 Mio.	2 Mio.	5 Mio.	2 Mio.			
Approval	UL/CSA									
UL-style	PVC: AWM 2517 PUR: AWM 20549									
Chain flex application	bending radius min. 10 x D, permitted acceleration 5 m/s²									

Specifications	Shielded cable							
Contacts	3		4		5		8	
Wire gauge	3 x 0,34 mm ² (AWG 22)		4 x 0,34 mm ² (AWG 22)		5 x 0,25 mm ² (AWG 24)		8 x 0,25 mm ² (AWG 24)	
Material jacket	PVC	PUR	PVC	PUR	PVC	PUR	PVC	PUR
Insulation of wire	PVC	PP	PVC	PP	PVC	PP	PVC	PP
Design of wire (mm)	42 x 0,1				32 x 0,1			
Cable diameter (mm)	5	4,6	5,4	4,7	5,7	4,8	6,8	6
Temperature range cable in move	PVC: – 5 °C /+ 105 °C PUR: – 25 °C /+ 90 °C (in chain flex application + 60 °C)							
Temperature range cable fixed	PVC: – 20 °C /+ 105 °C PUR: – 50 °C /+80 °C				PVC: – 40 °C /+ 105 °C PUR: – 50 °C /+80 °C			
Bending radius (at 10 x D)	2 Mio.							
Approval	UL/CSA							
Cover screen grid	85 %							
Chain flex application	bending radius min. 10 x D, permitted acceleration 5 m/s ²							

Specifications	CAN-Bus Cable
Contacts	5
Wire gauge	1 x 2 x AWG 22 and 1 x 2 x AWG 24
Material jacket	PUR
Insulation of wire	Polyolefine
Design of wire (mm)	19 x 0,16/19 x 0,13
Cable diameter (mm)	7,2
UL-style	AWM 1581, AWM 444

¹⁾ Standard-Cable length 2 m/5 m/10 m. Other length on request.

Description

Drawing

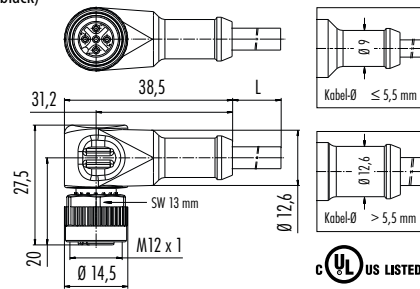
Contacts

Cable length

PVC (cable grey) ¹⁾

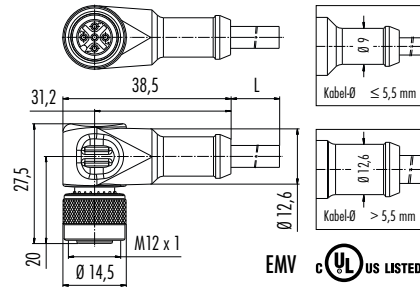
PUR (cable black) ¹⁾

Female angled connector, moulded, PVC (grey), PUR (black)



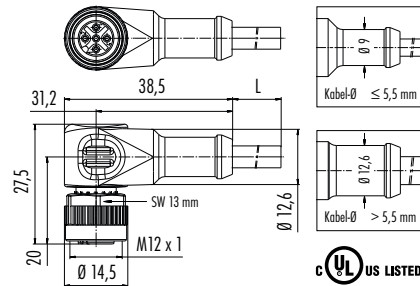
3 x 0,34	2 m	77 3434 0000 20003-0200	77 3434 0000 50003-0200
	5 m	77 3434 0000 20003-0500	77 3434 0000 50003-0500
4 x 0,34	2 m	77 3434 0000 20004-0200	77 3434 0000 50004-0200
	5 m	77 3434 0000 20004-0500	77 3434 0000 50004-0500
5 x 0,25	2 m	77 3434 0000 20005-0200	77 3434 0000 50005-0200
	5 m	77 3434 0000 20005-0500	77 3434 0000 50005-0500
8 x 0,25 ²⁾	2 m	–	77 3434 0000 50608-0200
	5 m	–	77 3434 0000 50608-0500
8 x 0,25	2 m	77 3434 0000 20708-0200	77 3434 0000 50708-0200
	5 m	77 3434 0000 20708-0500	77 3434 0000 50708-0500
12 x 0,25	2 m	77 3434 0000 20712-0200	77 3434 0000 50712-0200
	5 m	77 3434 0000 20712-0500	77 3434 0000 50712-0500

Female angled connector, moulded, shielded, PVC (grey), PUR (black)



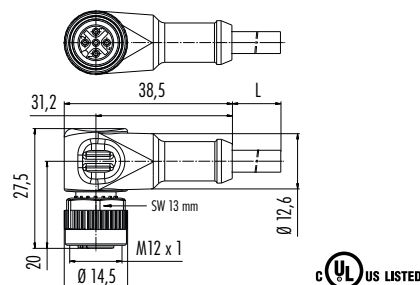
3 x 0,34	2 m	77 3534 0000 20703-0200	77 3534 0000 50703-0200
	5 m	77 3534 0000 20703-0500	77 3534 0000 50703-0500
4 x 0,34	2 m	77 3534 0000 20704-0200	77 3534 0000 50704-0200
	5 m	77 3534 0000 20704-0500	77 3534 0000 50704-0500
5 x 0,25	2 m	77 3534 0000 20705-0200	77 3534 0000 50705-0200
	5 m	77 3534 0000 20705-0500	77 3534 0000 50705-0500
8 x 0,25	2 m	77 3534 0000 20708-0200	77 3534 0000 50708-0200
	5 m	77 3534 0000 20708-0500	77 3534 0000 50708-0500

Female angled connector, moulded, 120 °C



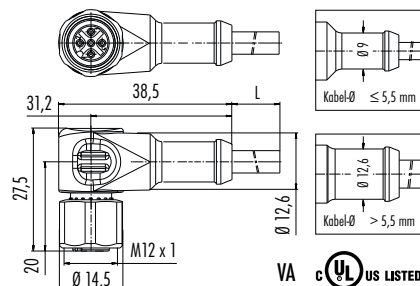
Contacts	Cable length	PUR (cable black) ¹⁾
3 x 0,34	2 m	77 3434 0000 70003-0200
	5 m	77 3434 0000 70003-0500
4 x 0,34	2 m	77 3434 0000 70004-0200
	5 m	77 3434 0000 70004-0500

Female angled connector, moulded, PUR, for welding application



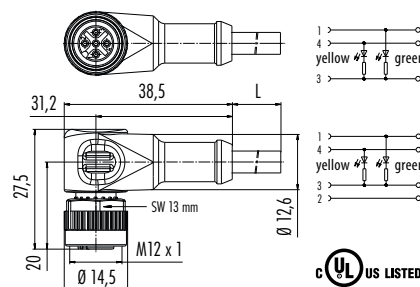
Contacts	Cable length	PUR (cable orange) ¹⁾	PUR (cable black) ¹⁾
3 x 0,34	2 m	77 3434 0000 80003-0200	77 3434 0000 80203-0200
	5 m	77 3434 0000 80003-0500	77 3434 0000 80203-0500
4 x 0,34	2 m	77 3434 0000 80004-0200	77 3434 0000 80204-0200
	5 m	77 3434 0000 80004-0500	77 3434 0000 80204-0500
5 x 0,25	2 m	77 3434 0000 80005-0200	77 3434 0000 80205-0200
	5 m	77 3434 0000 80005-0500	77 3434 0000 80205-0500

Female angled connector, moulded, PUR, stainless steel locking ring

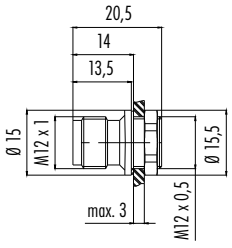


Contacts	Cable length	PUR (cable black) ¹⁾
3 x 0,34	2 m	77 3734 0000 50003-0200
	5 m	77 3734 0000 50003-0500
	2 m LED, PNP	77 3834 0000 50003-0200
	5 m LED, PNP	77 3834 0000 50003-0500
4 x 0,34	2 m	77 3734 0000 50004-0200
	5 m	77 3734 0000 50004-0500
5 x 0,25	2 m	77 3734 0000 50005-0200
	5 m	77 3734 0000 50005-0500
8 x 0,25	2 m	77 3734 0000 50708-0200
	5 m	77 3734 0000 50708-0500

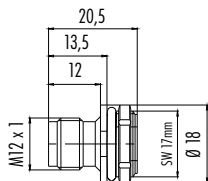
Female angled connector, moulded, PVC (grey), PUR (black), with LED, PNP



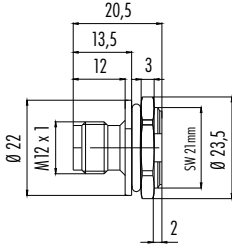
Contacts	Cable length	PVC (cable grey) ¹⁾	PUR (cable black) ¹⁾
3 x 0,34	2 m	77 3634 0000 20003-0200	77 3634 0000 50003-0200
	5 m	77 3634 0000 20003-0500	77 3634 0000 50003-0500
4 x 0,34	2 m	77 3634 0000 20004-0200	77 3634 0000 50004-0200
	5 m	77 3634 0000 20004-0500	77 3634 0000 50004-0500

Description	Drawing	Contacts	Fixing thread	Ordering-No.
Male panel mount connector, fixing thread, solder		4	M12 x 0,5	09 0431 81 04
		5		09 0433 81 05
		8		09 0381 81 08

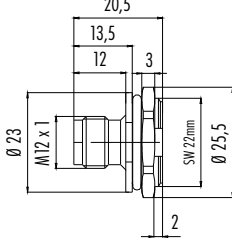


Male panel mount connector, fixing thread, solder		4	PG 9	86 4231 1002 00004
			M16 x 1,5	86 4331 1002 00004
		5	PG 9	86 4231 1002 00005
			M16 x 1,5	86 4331 1002 00005
		8	PG 9	86 4231 1002 00008
			M16 x 1,5	86 4331 1002 00008

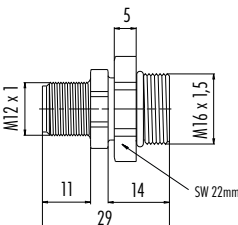


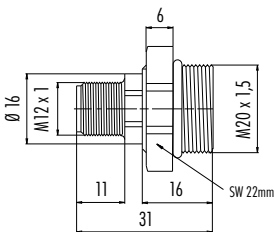
Male panel mount connector, fixing thread, solder		4	PG 11	09 0435 87 04
		5		09 0437 87 05



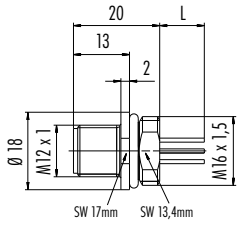
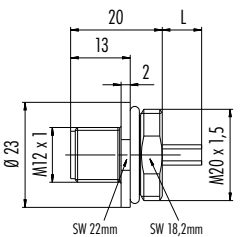
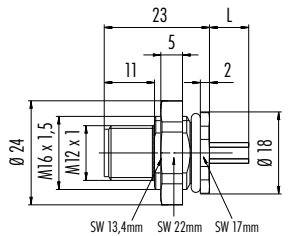
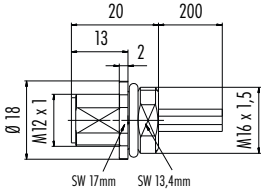
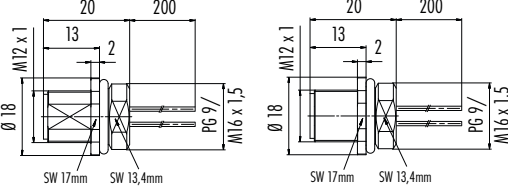
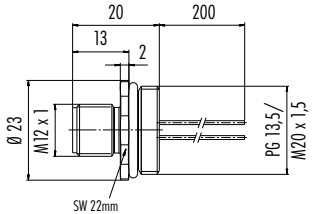
Male panel mount connector, fixing thread, solder		4	PG 13,5	86 4531 1002 00004
			M20 x 1,5	86 4631 1002 00004
		5	PG 13,5	86 4531 1002 00005
			M20 x 1,5	86 4631 1002 00005



Male panel mount connector, metric fixing thread, positioning possible, solder		4	M16 x 1,5	09 0431 397 04
			M20 x 1,5	09 0439 397 04



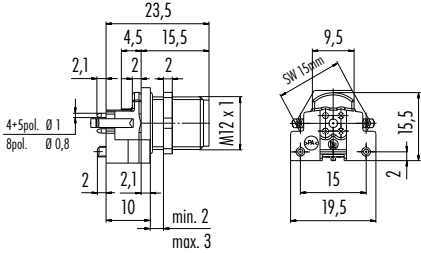
Specifications	Panel mount connector			
Contacts	4	5	8	12
Wire gauge	max. 0,25 mm² (max. AWG 24), single wires AWG 24 (0,25 mm²), Power: max. 1,5 mm² (max. AWG 16), single wires AWG 18			AWG 26 (0,14 mm²)
Mechanical operation	> 100 Mating cycles			
Temperature range	– 40 °C /+ 85 °C			
Rated voltage	250 V	60 V (125 V UL)	30 V (60 V UL)	30 V
Pollution degree	3			
Rated current (40°C)	4 A (3 A UL), Power 8 A	4 A (3 A UL), Power cont. 1-4 8 A, cont. 5 2 A	1,5 A (2 A UL)	
Contact plating	Au (Gold)			
Material of housing	PA, zinc diecasting nickel plated			

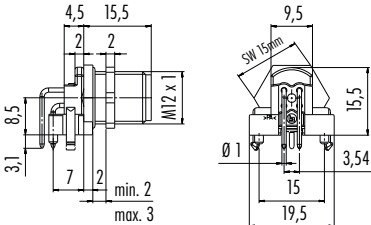
Description	Drawing	Contacts	Ordering-No. ¹⁾
Male panel mount connector with single wires, AWG 24, M16 x 1,5, plastic housing		4 5 8 12	76 4331 0011 00004-0200 76 4331 0011 00005-0200 76 4331 0011 00008-0200 76 4331 0111 00012-0200
			NEW
Male panel mount connector with single wires, AWG 24, M20 x 1,5, plastic housing		4 5 8 12	76 4631 0011 00004-0200 76 4631 0011 00005-0200 76 4631 0011 00008-0200 76 4631 0111 00012-0200
			NEW
Male panel mount connector, front fastened, with single wires, AWG 24, M16 x 1,5, plastic housing		4 5 8 12	76 4731 3011 00004-0200 76 4731 3011 00005-0200 76 4731 3011 00008-0200 76 4731 3111 00012-0200
			NEW
Male panel mount connector with single wires, AWG 24, metal housing	 	4 5	M16 x 1,5 (AWG24) black 76 0231 0011 00004-0200 purple 76 0231 0011 00104-0200 orange 76 0231 0011 00204-0200 yellow 76 0231 0011 00304-0200 green 76 0231 0011 00404-0200 red 76 0231 0011 00504-0200 blue 76 0231 0011 00604-0200 black 76 0231 0011 00005-0200 purple 76 0231 0011 00105-0200 orange 76 0231 0011 00205-0200 yellow 76 0231 0011 00305-0200 green 76 0231 0011 00405-0200 red 76 0231 0011 00505-0200 blue 76 0231 0011 00605-0200
Male panel mount connector with single wires/Power with single wires, metal housing	 	4 5 8 12	PG 9 PG 9 Stainless steel PG 9 Power M16 x 1,5 Stainless steel PG 9 PG 9 Stainless steel PG 9 Power M16 x 1,5 Stainless steel PG 9 M16 x 1,5 PG 9 Stainless steel M16 x 1,5 Stainless steel PG 9 M16 x 1,5 PG 9 M16 x 1,5 black 76 0131 0011 00004-0200 76 2131 0111 00004-0200 09 3431 433 04 76 2231 0111 00004-0200 76 0131 0011 00005-0200 76 2131 0111 00005-0200 09 3441 433 05 76 2231 0111 00005-0200 76 0131 0011 00008-0200 76 0231 0011 00008-0200 76 2131 0111 00008-0200 76 2231 0111 00008-0200 76 0131 0111 00012-0200 76 0231 0111 00012-0200
Male panel mount connector with single wires, AWG 24, metal housing	 	4 5 8 12	PG 13,5 M20 x 1,5 PG 13,5 M20 x 1,5 PG 13,5 M20 x 1,5 PG 13,5 M20 x 1,5 black 76 0331 0111 00004-0200 76 0431 0111 00004-0200 76 0331 0111 00005-0200 76 0431 0111 00005-0200 76 0331 0111 00008-0200 76 0431 0111 00008-0200 76 0331 0111 00012-0200 76 0431 0111 00012-0200

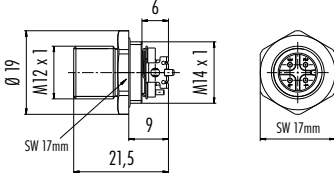
Description	Drawing	Contacts	Fixing thread	Ordering-No.
Male panel mount connector, solder, metal housing		4	PG 9 M16 x 1,5	86 0131 0002 00004 86 0231 0002 00004
		5	PG 9 M16 x 1,5	86 0131 0002 00005 86 0231 0002 00005
		8	PG 9 M16 x 1,5	86 0131 0002 00008 86 0231 0002 00008
Male panel mount connector with single wires, Outdoor, IP68, IP69		4	M16 x 1,5	09 3431 284 04
				NEW
Male panel mount connector, screw clamp termination/POWER screw clamp termination		4 Power 5 Power 8	M20 x 1,5	99 0431 500 04 99 0433 500 05 86 0431 0003 00008
Male panel mount connector, positioning possible, with single wires, metal housing		4	PG 9 M16 x 1,5 PG 9 Stainless steel M16 x 1,5 Stainless steel	76 0731 0011 00004-0200 76 0831 0011 00004-0200 76 2731 0111 00004-0200 76 2831 0111 00004-0200
		5	PG 9 M16 x 1,5 PG 9 Stainless steel M16 x 1,5 Stainless steel	76 0731 0011 00005-0200 76 0831 0011 00005-0200 76 2731 0111 00005-0200 76 2831 0111 00005-0200
		8	PG 9 M16 x 1,5 PG 9 Stainless steel M16 x 1,5 Stainless steel	76 0731 0011 00008-0200 76 0831 0011 00008-0200 76 2731 0111 00008-0200 76 2831 0111 00008-0200
		12	PG 9 M16 x 1,5	76 0731 0111 00012-0200 76 0831 0111 00012-0200
Male panel mount connector, front fastened, with single wires, metal housing		4	M16 x 1,5 (AWG 24) PG 9	76 0531 1011 00004-0200 76 0631 1011 00004-0200
		5	M16 x 1,5 (AWG 24) PG 9 Stainless steel PG 9	76 0631 1011 00005-0200 76 2531 1111 00005-0200 76 0531 1011 00008-0200
		8	M16 x 1,5 (AWG 24) PG 9 Stainless steel PG 9	76 0631 1011 00008-0200 76 2531 1111 00008-0200 76 0531 1111 00012-0200
		12	M16 x 1,5 (AWG 24)	76 0631 1111 00012-0200
Male panel mount connector, rectangular flange, with single wires, metal housing		4 5 8 12	— — — —	76 0931 0111 00004-0200 76 0931 0111 00005-0200 76 0931 0111 00008-0200 76 0931 0111 00012-0200

¹⁾ Standard wire length is 200 mm for 76-order-numbers. Other length on request.

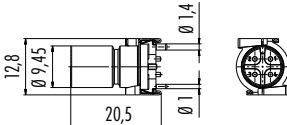
Description	Drawing	Contacts	Fixing thread	Ordering-No.
Male panel mount connector, front fastened, solder, unmounted, metal housing		4 5 8	PG 9 M16 x 1,5 PG 9 M16 x 1,5 PG 9 M16 x 1,5	86 0531 1002 00004 86 0631 1002 00004 86 0531 1002 00005 86 0631 1002 00005 86 0531 1002 00008 86 0631 1002 00008
Male panel mount connector, dip-solder, metal housing		4 5 8 12	PG 9 M16 x 1,5 PG 9 M16 x 1,5 PG 9 M16 x 1,5	86 0131 0000 00004 86 0231 0000 00004 86 0131 0000 00005 86 0231 0000 00005 86 0131 0000 00008 86 0231 0000 00008 86 0131 0100 00012 86 0231 0100 00012
Male panel mount connector, front fastened, dip-solder, metal housing		4 5 8 12	PG 9 M16 x 1,5 PG 9 M16 x 1,5 PG 9 M16 x 1,5 PG 9 M16 x 1,5	86 0531 1000 00004 86 0631 1000 00004 86 0531 1000 00005 86 0631 1000 00005 86 2531 1100 00005 86 0531 1000 00008 86 0631 1000 00008 86 2531 1100 00008 86 0531 1100 00012 86 0631 1100 00012
Male panel mount connector, front fastened, dip-solder, with shielding sheet		4 5 8 12	PG 9	86 0531 1120 00004 86 0531 1120 00005 86 0531 1120 00008 86 0531 1120 00012
Male angled panel mount connector, front fastened, dip-solder, with shielding sheet		4 5	PG 9	86 0531 1121 00004 86 0531 1121 00005
Male panel mount connector, front fastened, dip-solder, metal housing		4 5 8 12	M12 x 1	86 1031 1100 00004 86 1031 1100 00005 86 1031 1100 00008 86 1031 1100 00012

Description	Drawing	Contacts	Ordering-No.
Male receptacle for PCB assembly	  PCB thickness: 1,6 mm View of mating side	4	99 3431 200 04
			99 3431 458 04 with shielding sheet
		5	99 3441 200 05
			99 3441 458 05 with shielding sheet
		8	99 3481 200 08
			99 3481 458 08 with shielding sheet

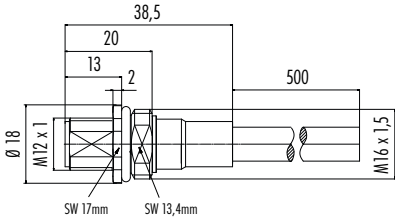
Male angled receptacle, for PCB assembly	  PCB thickness: 1,6 mm View of mating side	4	99 3431 202 04
			99 3431 601 04 with shielding sheet
		5	99 3441 202 05
			99 3441 601 05 with shielding sheet
		8	99 3481 202 08
			99 3481 601 08 with shielding sheet

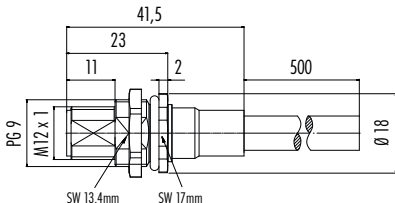
Male receptacle, SMT, with housing, not shieldable/shieldable	Contacts	Mounting height	not shieldable	shieldable
	4		99 3431 351 04	99 3431 401 04
	5	9 mm	99 3441 351 05	99 3441 401 05
	8		99 3481 351 08	99 3481 401 08
 				

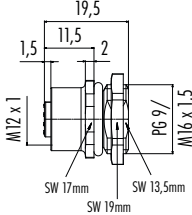
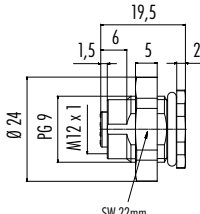
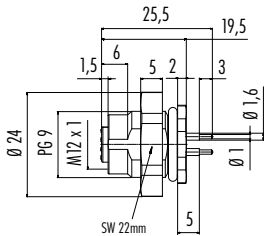
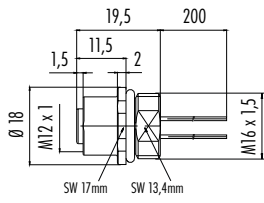
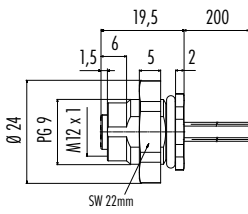
NEW

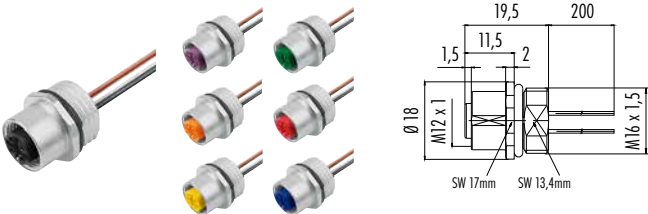
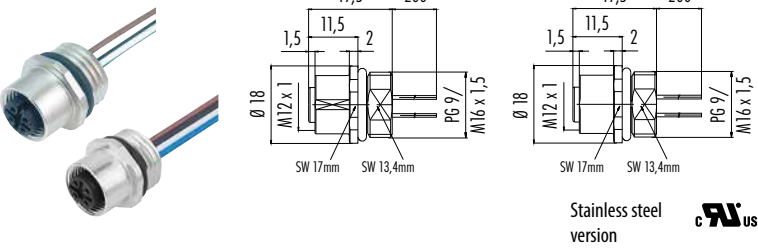
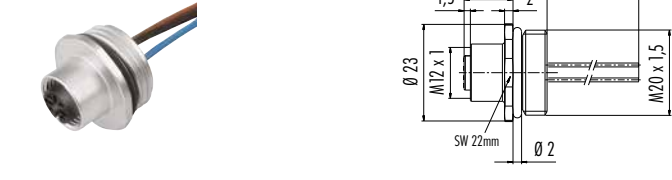
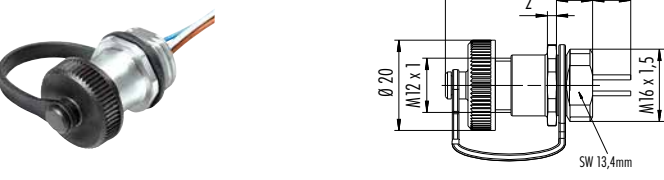
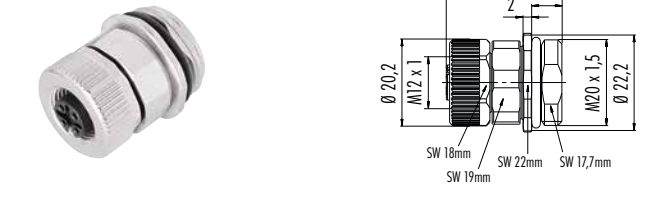
Male receptacle, SMT, not shieldable/shieldable	4		09 0431 600 04	09 0431 601 04
	5	–	09 0433 600 05	09 0433 601 05
	8		09 0381 600 08	09 0381 601 08
	 			

NEW

Male panel mount connector M16, with shielded PUR-cable	Contacts	Cable length, PUR	Fixing thread	Ordering-No.
	5			70 3441 785 05
	8	0,5 m	M16 x 1,5	70 3481 785 08
 				

Male panel mount connector PG 9, front fastened, with shielded PUR-cable	5			70 3441 287 05
	8	0,5 m	PG 9	70 3481 287 08
	  Hexagonal nut enclosed loose			

Description	Drawing	Contacts	Fixing thread	Ordering-No.
Female panel mount connector, solder, plastic housing		4	PG 9 M16 x 1,5	86 4232 1002 00004 86 4332 1002 00004
	Hexagonal nut enclosed loose	5	PG 9 M16 x 1,5	86 4232 1002 00005 86 4332 1002 00005
		8	PG 9 M16 x 1,5	86 4232 1002 00008 86 4332 1002 00008
Female panel mount connector, front fastened, solder, plastic housing		4	PG 9	86 4832 3002 00004
	Hexagonal nut enclosed loose	5		86 4832 3002 00005
		8		86 4832 3002 00008
Female panel mount connector, front fastened, dip-solder, plastic housing		4	PG 9	86 4832 3000 00004
	Hexagonal nut enclosed loose	5		86 4832 3000 00005
		8		86 4832 3000 00008
Female panel mount connector with single wires, AWG 24, M16 x 1,5, plastic housing		4	NEW	
		5		
		8		
		12		
Female panel mount connector, front fastened, with single wires, AWG 24, PG 9, plastic housing		4	NEW	
		5		
		8		
		12		

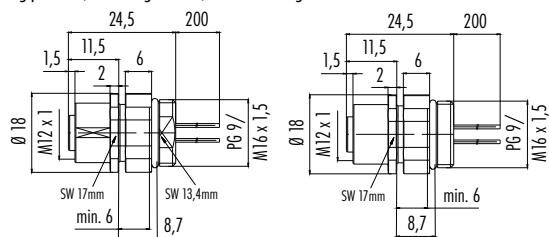
Description	Drawing	Contacts	Fixing thread	Contact insert	Ordering-No. ¹⁾
Female panel mount connector with single wires, AWG 24, metal housing		4	M16 x 1,5 (AWG24)	black	76 0232 0011 00004-0200
				purple	76 0232 0011 00104-0200
				orange	76 0232 0011 00204-0200
				yellow	76 0232 0011 00304-0200
				green	76 0232 0011 00404-0200
				red	76 0232 0011 00504-0200
				blue	76 0232 0011 00604-0200
		5	M16 x 1,5 (AWG24)	black	76 0232 0011 00005-0200
				purple	76 0232 0011 00105-0200
				orange	76 0232 0011 00205-0200
				yellow	76 0232 0011 00305-0200
				green	76 0232 0011 00405-0200
				red	76 0232 0011 00505-0200
				blue	76 0232 0011 00605-0200
Female panel mount connector with single wires/Power with single wires, metal housing		4	PG 9	black	76 0132 0011 00004-0200
			PG 9 Stainless steel		76 2132 0111 00004-0200
			PG 9 Power		09 3432 433 04
			M16 x 1,5 Stainless steel		76 2232 0111 00004-0200
		5	PG 9		76 0132 0011 00005-0200
			PG 9 Stainless steel		76 2132 0111 00005-0200
			PG 9 Power		09 3442 433 05
			M16 x 1,5 Stainless steel		76 2232 0111 00005-0200
		8	PG 9		76 0132 0011 00008-0200
			M16 x 1,5		76 0232 0011 00008-0200
			PG 9 Stainless steel		76 2132 0111 00008-0200
			M16 x 1,5 Stainless steel		76 2232 0111 00008-0200
		12	PG 9		76 0132 0111 00012-0200
			M16 x 1,5		76 0232 0111 00012-0200
Female panel mount connector with single wires, AWG 24, metal housing		4		black	76 0432 0111 00004-0200
		5			76 0432 0111 00005-0200
		8	M20 x 1,5		76 0432 0111 00008-0200
		12			76 0432 0111 00012-0200
Female panel mount connector, solder, metal housing		4	PG 9		86 0132 0002 00004
			M16 x 1,5		86 0232 0002 00004
		5	PG 9		86 0132 0002 00005
			M16 x 1,5		86 0232 0002 00005
		8	PG 9		86 0132 0002 00008
			M16 x 1,5		86 0232 0002 00008
Female panel mount connector with single wires, Outdoor, IP68, IP69		4	M16 x 1,5		09 3432 284 04
Female panel mount connector, screw clamp termination/POWER screw clamp termination		4 Power			99 0432 500 04
		5 Power	M20 x 1,5		99 0434 500 05
		8			86 0432 0003 00008

¹⁾ Standard wire length is 200 mm for 76-order-numbers. Other length on request.

Drawing

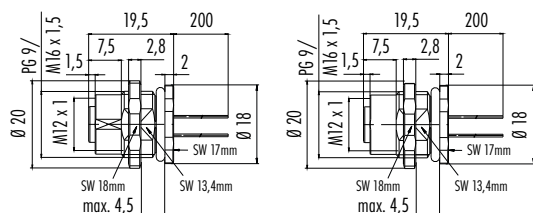
Contacts

Fixing thread

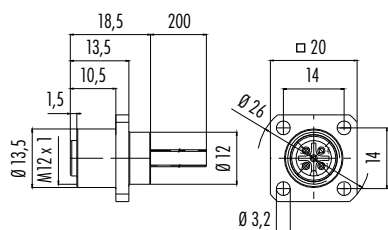
Ordering-No. ¹⁾

Stainless steel version

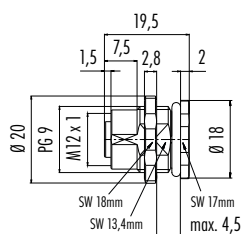
4

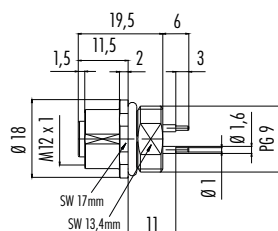


Stainless steel version



5

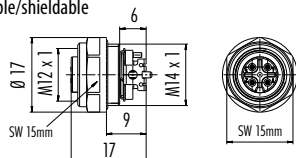
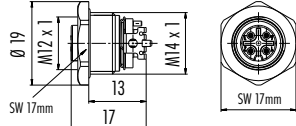




4	PG 9	76 0732 0011 00004–0200
	M16 x 1,5	76 0832 0011 00004–0200
	PG 9	Stainless steel 76 2732 0111 00004–0200
	M16 x 1,5	Stainless steel 76 2832 0111 00004–0200
5	PG 9	76 0732 0011 00005–0200
	M16 x 1,5	76 0832 0011 00005–0200
	PG 9	Stainless steel 76 2732 0111 00005–0200
	M16 x 1,5	Stainless steel 76 2832 0111 00005–0200
8	PG 9	76 0732 0011 00008–0200
	M16 x 1,5	76 0832 0011 00008–0200
	PG 9	Stainless steel 76 2732 0111 00008–0200
	M16 x 1,5	Stainless steel 76 2832 0111 00008–0200
12	PG 9	76 0732 0111 00012–0200
	M16 x 1,5	76 0832 0111 00012–0200
4	PG 9	76 0532 1011 00004–0200
	M16 x 1,5	(AWG 24) 76 0632 1011 00004–0200
	PG 9	Stainless steel 76 2532 1111 00004–0200
5	PG 9	76 0532 1011 00005–0200
	M16 x 1,5	(AWG 24) 76 0632 1011 00005–0200
	PG 9	Stainless steel 76 2532 1111 00005–0200
8	PG 9	76 0532 1011 00008–0200
	M16 x 1,5	(AWG 24) 76 0632 1011 00008–0200
	PG 9	Stainless steel 76 2532 1111 00008–0200
12	PG 9	76 0532 1111 00012–0200
	M16 x 1,5	(AWG 24) 76 0632 1111 00012–0200
4	–	76 0932 0111 00004–0200
5	–	76 0932 0111 00005–0200
8	–	76 0932 0111 00008–0200
12	–	76 0932 0111 00012–0200
4	PG 9	86 0532 1002 00004
	M16 x 1,5	86 0632 1002 00004
5	PG 9	86 0532 1002 00005
	M16 x 1,5	86 0632 1002 00005
8	PG 9	86 0532 1002 00008
	M16 x 1,5	86 0632 1002 00008
4	PG 9	86 0132 0000 00004
	M16 x 1,5	86 0232 0000 00004
5	PG 9	86 0132 0000 00005
	M16 x 1,5	86 0232 0000 00005
8	PG 9	86 0132 0000 00008
	M16 x 1,5	86 0232 0000 00008
12	PG 9	86 0132 0100 00012
	M16 x 1,5	86 0232 0100 00012

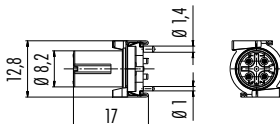
Automation Technology 713 · 763 series

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Description	Drawing	Contacts	Mounting height	not shieldable	shieldable
Female panel mount connector, SMT, with housing, not shieldable/shieldable		4	9 mm	99 3432 351 04	99 3432 401 04
			13 mm	99 3432 352 04	99 3432 402 04
		5	9 mm	99 3442 351 05	99 3442 401 05
			13 mm	99 3442 352 05	99 3442 402 05
	8	9 mm	99 3482 351 08	99 3482 401 08	
		13 mm	99 3482 352 08	99 3482 402 08	
					



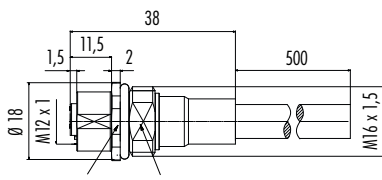
 **NEW**

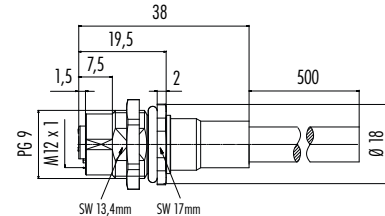
Female panel mount connector, SMT, not shieldable/shieldable	4		09 0432 600 04	09 0432 601 04
	5	—	09 0434 600 05	09 0434 601 05
	8		09 0484 600 08	09 0484 601 08
				

 **NEW**

	Contacts	Cable length, PUR	Fixing thread	Ordering-No.
Female panel mount connector M16, with shielded PUR-cable	5	0,5 m	M16 x 1,5	70 3442 785 05
	8			70 3482 785 08

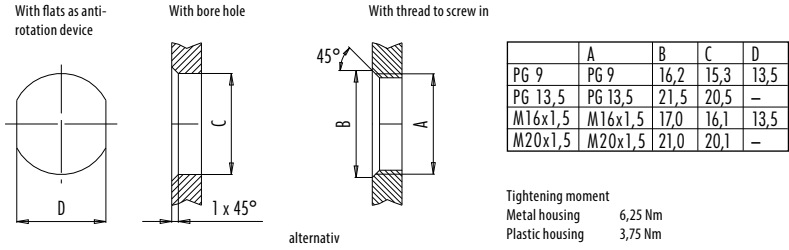




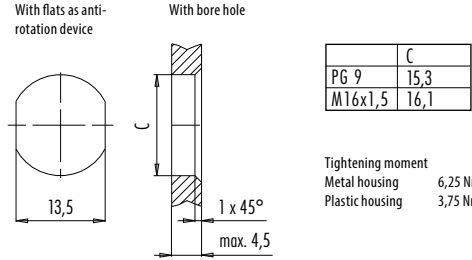
		5	0,5 m	PG 9	70 3442 287 05
		8			70 3482 287 08
		Hexagonal nut enclosed loose			

Panel cut out

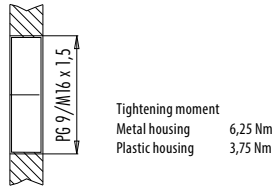
Panel mount connector



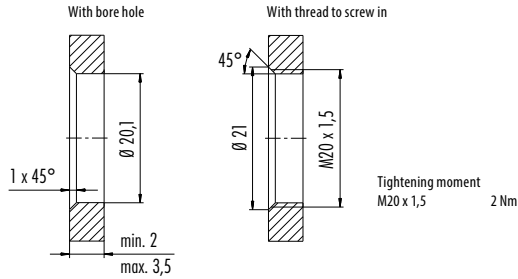
Panel mount connector, front fastened



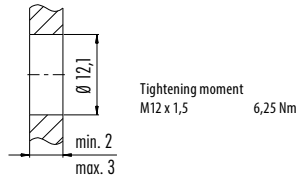
Panel mount connector, positioning possible



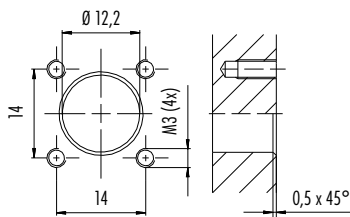
Panel mount connector, screw clamp termination



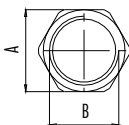
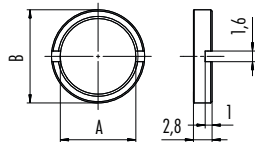
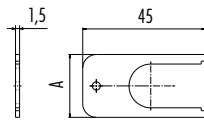
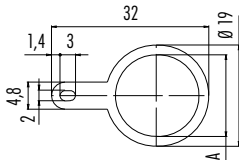
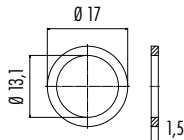
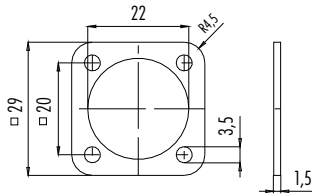
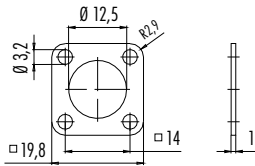
Panel mount connector, with thread M12

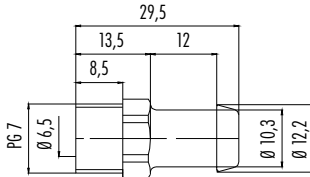
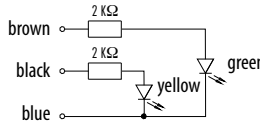
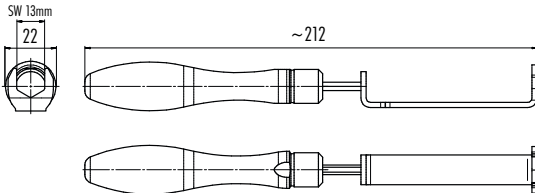
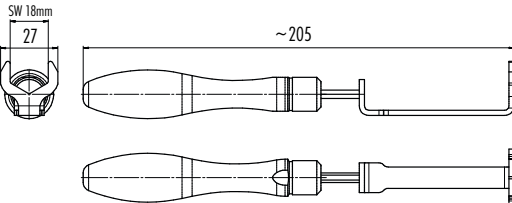
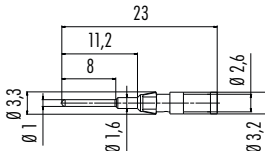
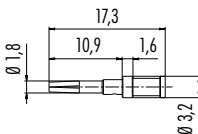


Panel mount connector, square flange



Description	Drawing	Ordering-No.	
Protection cap for male cable connector, IP67		08 2424 010 000	
Protection cap for female cable connector, IP67		08 2425 010 000	
Protection cap for male panel mount connector, IP67		Hole-Ø D	Ordering-No.
		3 mm	08 2615 000 000
		12,5 mm	08 2676 000 000
Protection cap for female panel mount connector, IP67		3 mm	08 2616 000 000
		12,5 mm	08 2677 000 000
Protection cap for male panel mount connector, IP67, for front mounting		11 mm	08 2989 000 000
		14,5 mm	08 2990 000 000
Protection cap for female panel mount connector, IP67, for front mounting		14,5 mm	08 2991 000 000
Protection cap for female connector, IP67		Ordering-No.	
		08 2769 000 000	
Dummy plug PG 9/M16 x1,5		Thread	Ordering-No.
		PG 9	08 3128 000 000
		M16 x 1,5	08 3129 000 000

Description	Drawing	Thread B	Wrench size A	Ordering-No.												
Hexagonal nut for fixing thread	  <table><tr><th>Gewinde B Thread B</th><th>Schlüsselweite A Wrench size A</th></tr><tr><td>PG 9</td><td>SW18 mm</td></tr><tr><td>PG 11</td><td>SW21 mm</td></tr><tr><td>PG 13,5</td><td>SW23 mm</td></tr><tr><td>M16 x 1,5</td><td>SW19 mm</td></tr><tr><td>M20 x 1,5</td><td>SW24 mm</td></tr></table>	Gewinde B Thread B	Schlüsselweite A Wrench size A	PG 9	SW18 mm	PG 11	SW21 mm	PG 13,5	SW23 mm	M16 x 1,5	SW19 mm	M20 x 1,5	SW24 mm	PG 9	SW 18 mm	16 0402 001
Gewinde B Thread B	Schlüsselweite A Wrench size A															
PG 9	SW18 mm															
PG 11	SW21 mm															
PG 13,5	SW23 mm															
M16 x 1,5	SW19 mm															
M20 x 1,5	SW24 mm															
		PG 11	SW 21 mm	16 0403 001												
		PG 13,5	SW 23 mm	16 0401 001												
		M16 x 1,5	SW 19 mm	16 0916 001												
		M20 x 1,5	SW 24 mm	16 0917 001												
Ring nut for fixing thread	 	Thread A	Diameter B	Ordering-No.												
		PG 9	18 mm	01 5322 001												
		M12 x 1	14 mm	01 5325 001												
		M16 x 1,5	18 mm	01 5244 001												
Mounting spanner for ring nut	  <table><tr><th>Gewinde/thread</th><th>A</th></tr><tr><td>PG 9/M16x1,5</td><td>23</td></tr><tr><td>M12x1</td><td>19</td></tr></table>	Gewinde/thread	A	PG 9/M16x1,5	23	M12x1	19	Thread	Measure A	Ordering-No.						
Gewinde/thread	A															
PG 9/M16x1,5	23															
M12x1	19															
		PG 9/M16 x 1,5	23 mm	07 0084 000												
		M12 x 1	19 mm	07 0083 000												
Shielding sheet for panel mount connector, fastened from back side	 	Thread	Measure A	Ordering-No.												
		PG 9	15,3 mm	04 0734 124												
		M16 x 1,5	16,1 mm	04 0735 124												
Flat seal for fixing thread PG 9/M16 x 1,5	 	Ordering-No.														
		16 1125 071														
Sleeve against inadvertent unmating under load	 	16 0977 000														
Seal for plastic rectangular flange connector	 	16 8091 000														
Seal for metal rectangular flange connector	 	16 0959 000														

Description	Drawing	Ordering-No.																				
Screwing for tube	 	02 0273 000																				
PCB with one LED green/yellow, for mounting in cable connectors, screw termination	 	08 0462 000 000																				
Hexagon torque spanner SW 13 mm, 0,6 Nm	 	07 0086 000																				
Hexagon torque spanner SW 18 mm, 0,6 Nm	 	07 0079 000																				
Mounting tool for M12 locking ring		07 0078 000																				
Male contact, PU = 100 pieces	 	<table><tr><th>Wire gauge</th><th>AWG</th><th>Pieces</th><th>Ordering-No.</th></tr><tr><td>0,14 – 0,34 mm²</td><td>26–22</td><td>100</td><td>61 1224 146</td></tr><tr><td>0,34 – 0,5 mm²</td><td>22–20</td><td>100</td><td>61 1154 146</td></tr><tr><td>0,75 – 1,0 mm²</td><td>18–16</td><td>100</td><td>61 1225 146</td></tr><tr><td>1,0 – 1,5 mm²</td><td>16</td><td>100</td><td>61 1226 146</td></tr></table> NEW	Wire gauge	AWG	Pieces	Ordering-No.	0,14 – 0,34 mm ²	26–22	100	61 1224 146	0,34 – 0,5 mm ²	22–20	100	61 1154 146	0,75 – 1,0 mm ²	18–16	100	61 1225 146	1,0 – 1,5 mm ²	16	100	61 1226 146
Wire gauge	AWG	Pieces	Ordering-No.																			
0,14 – 0,34 mm ²	26–22	100	61 1224 146																			
0,34 – 0,5 mm ²	22–20	100	61 1154 146																			
0,75 – 1,0 mm ²	18–16	100	61 1225 146																			
1,0 – 1,5 mm ²	16	100	61 1226 146																			
Female contact, PU = 100 pieces	 	<table><tr><td>0,14 – 0,34 mm²</td><td>26–22</td><td>100</td><td>61 1227 146</td></tr><tr><td>0,34 – 0,5 mm²</td><td>22–20</td><td>100</td><td>61 1155 146</td></tr><tr><td>0,75 – 1,0 mm²</td><td>18–16</td><td>100</td><td>61 1228 146</td></tr><tr><td>1,0 – 1,5 mm²</td><td>16</td><td>100</td><td>61 1229 146</td></tr></table> NEW	0,14 – 0,34 mm ²	26–22	100	61 1227 146	0,34 – 0,5 mm ²	22–20	100	61 1155 146	0,75 – 1,0 mm ²	18–16	100	61 1228 146	1,0 – 1,5 mm ²	16	100	61 1229 146				
0,14 – 0,34 mm ²	26–22	100	61 1227 146																			
0,34 – 0,5 mm ²	22–20	100	61 1155 146																			
0,75 – 1,0 mm ²	18–16	100	61 1228 146																			
1,0 – 1,5 mm ²	16	100	61 1229 146																			

Description	Drawing	Ordering-No.
Crimping tool for turned crimp contacts		66 0003 001
Extraction tool for turned crimp contacts		66 0004 001