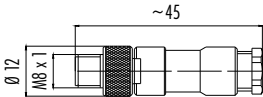


- 
- Screw locking acc. to DIN EN 61076-2-104
 - Degree of protection IP67
 - Moulded versions
 - Easy Assembly
 - Excellent EMC shielding (versions with shielding rings 360°)
 - Versions with shielding rings/iris type spring
 - Angled connectors adjustable in 2/4 positions

Description	Drawing	Contacts	Cable outlet	Ordering-No.
Male cable connector, solder		3	3,5–5 mm	99 3379 00 03
		4		99 3383 00 04

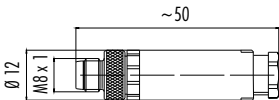






Male cable connector, screw		3	3,5–5 mm	99 3379 100 03
		4		99 3383 100 04

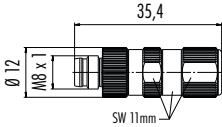






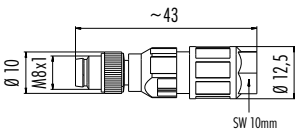
Male cable connector, biatec®		3	3–5 mm	99 3379 400 03
		4		99 3383 400 04





Male cable connector, IDT connection		Contacts	Wire gauge	Ordering-No.
		3	0,08–0,25 mm²	99 3379 500 03
			0,25–0,5 mm²	99 3379 550 03
		4	0,08–0,25 mm²	99 3383 500 04
			0,25–0,5 mm²	99 3383 550 04







 **NEW**

Specifications	Cable connector	
Contacts	3	4
Wire gauge	solder 0,25 mm² (AWG 24), screw 0,14 mm²–0,5 mm² (AWG 26–20), biatec® 0,14–0,38 mm² (AWG 26–22)	
Mechanical operation	> 100 Mating cycles	
Temperature range	solder, screw –40 °C / + 80 °C, screw clamp, biatec® –25 °C / + 80 °C, moulded –25 °C / + 85 °C	
Rated voltage	60 V (30 V UL)	
Pollution degree	3	
Rated current (40°C)	4 A	
Contact plating	Au (Gold)	
Material of housing	PBT/PA/CuZn (brass)	

Description	Drawing	Contacts	Cable outlet	Ordering-No.
Male cable connector, solder, shieldable		3	2–3,5 mm	99 3361 25 03
			3,5–5 mm	99 3361 00 03
		4	2–3,5 mm	99 3363 25 04
			3,5–5 mm	99 3363 00 04

NEW

Male cable connector, screw clamp termination, iris type spring, shieldable	3	3,5–5,5 mm	99 3361 100 03
	4		99 3363 100 04

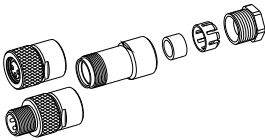


Male cable connector, screw clamp termination, shieldable	3	6–8 mm	99 3361 300 03
	4		99 3363 300 04



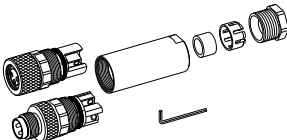
Component part drawing/Assembly instruction

Cable connector, solder



Female insert/
Male insert
Sleeve
Seal
Pinch ring
Pressing screw

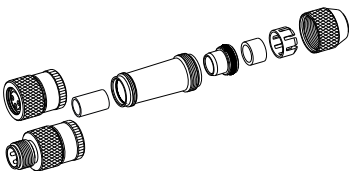
Cable connector, screw



Female insert/
Male insert
Sleeve
Seal
Pinch ring
Pressing screw

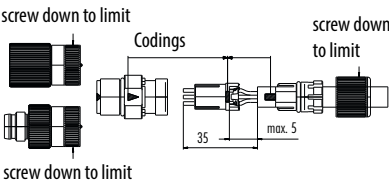
Hexagonal nut added

Cable connector, solder, shieldable

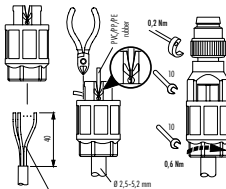


Female insert/
Male insert
Insulation sleeve
Sleeve
Shielding ring
O-ring
Seal
Pinch ring
Pressing screw

Cable connector, biatec®

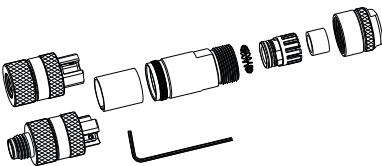


Cable connector, IDT connection



Wire cross section
0,08–0,25 mm², 0,25–0,50 mm²

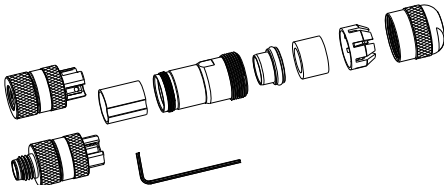
Cable connector, screw clamp termination, iris type spring, shieldable



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

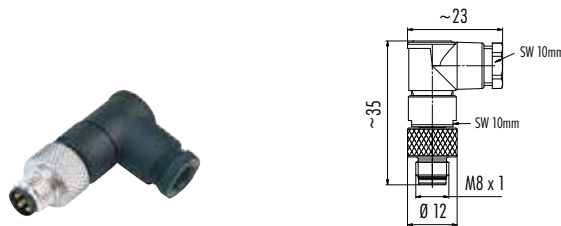
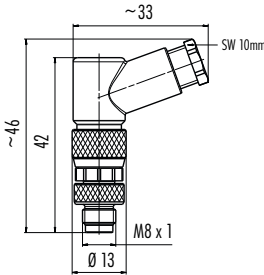
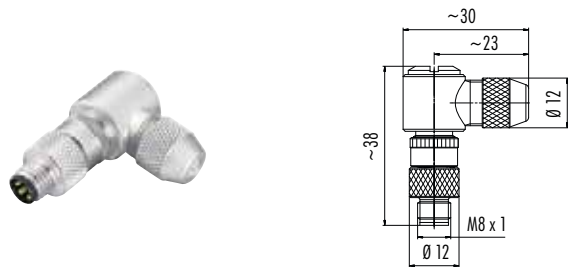
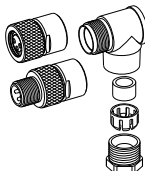
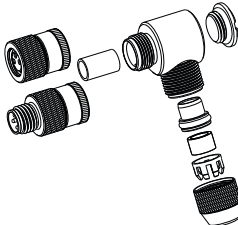
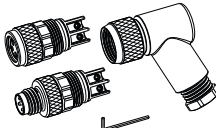
Hexagonal nut added

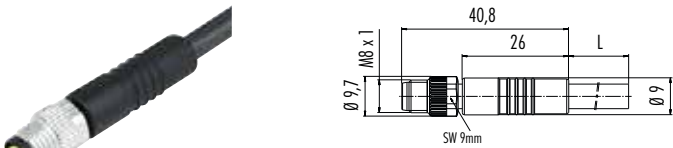
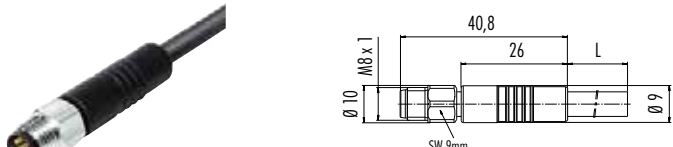
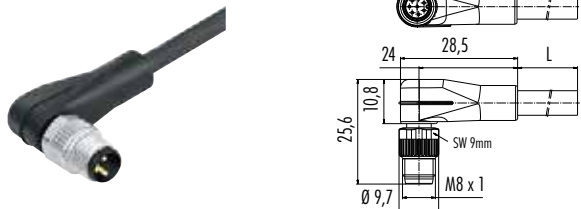
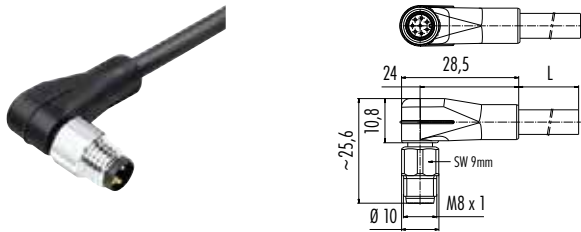
Cable connector, screw clamp termination, shieldable



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

Hexagonal nut added

Description	Drawing	Contacts	Cable outlet	Ordering-No.
Male angled connector, solder		3 4	3,5–5 mm	99 3385 00 03 99 3387 00 04
Male angled connector, screw clamp termination		3 4	3,5–5 mm	99 3379 110 03 99 3383 110 04
Male angled connector, solder, shieldable		3 4	3,5–5 mm	99 3365 00 03 99 3367 00 04
Component part drawing				
Angled connector, solder				Female insert/ Male insert Insulation sleeve Angled housing Locking screw O-ring, Shielding ring O-ring, Seal Pinch ring Pressing screw Cable outlet adjustable in 4 positions
Angled connector, screw				Female insert/ Male insert Angled housing Cable outlet adjustable in 2 positions Hexagonal nut added
Colour of wire, moulded cable and panel mount connectors				
3 contacts	4, 5, 6 contacts	8 contacts		
1 brown	1 brown	1 white		
2 not connected	2 white	2 brown		
3 blue	3 blue	3 green		
4 black	4 black	4 yellow		
	5 grey	5 grey		
	6 pink	6 pink		
		7 blue		
		8 red		

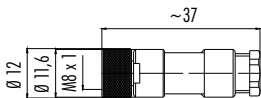
Description	Drawing	Contacts	Cable jacket	Cable length	Ordering-No.
Male cable connector, moulded, screw version, M8 x 1		3 x 0,34	PVC	2 m	77 3405 0000 20003-0200
				5 m	77 3405 0000 20003-0500
			PUR	2 m	77 3405 0000 50003-0200
				5 m	77 3405 0000 50003-0500
		4 x 0,34	PVC	2 m	77 3405 0000 20004-0200
				5 m	77 3405 0000 20004-0500
			PUR	2 m	77 3405 0000 50004-0200
				5 m	77 3405 0000 50004-0500
		6 x 0,25	PUR	2 m	77 3405 0000 50006-0200
				5 m	77 3405 0000 50006-0500
		8 x 0,25	PUR	2 m	77 3405 0000 50008-0200
				5 m	77 3405 0000 50008-0500
Male cable connector, moulded, screw version, M8 x 1, stainless steel locking ring		3 x 0,34	PVC	2 m	77 3705 0000 20003-0200
				5 m	77 3705 0000 20003-0500
			PUR	2 m	77 3705 0000 50003-0200
				5 m	77 3705 0000 50003-0500
		4 x 0,34	PVC	2 m	77 3705 0000 20004-0200
				5 m	77 3705 0000 20004-0500
			PUR	2 m	77 3705 0000 50004-0200
				5 m	77 3705 0000 50004-0500
		6 x 0,25	PUR	2 m	77 3705 0000 50006-0200
				5 m	77 3705 0000 50006-0500
		8 x 0,25	PUR	2 m	77 3705 0000 50008-0200
				5 m	77 3705 0000 50008-0500
Male angled connector, moulded, screw version, M8 x 1		3 x 0,34	PVC	2 m	77 3403 0000 20003-0200
				5 m	77 3403 0000 20003-0500
			PUR	2 m	77 3403 0000 50003-0200
				5 m	77 3403 0000 50003-0500
		4 x 0,34	PVC	2 m	77 3403 0000 20004-0200
				5 m	77 3403 0000 20004-0500
			PUR	2 m	77 3403 0000 50004-0200
				5 m	77 3403 0000 50004-0500
		6 x 0,25	PUR	2 m	77 3403 0000 50006-0200
				5 m	77 3403 0000 50006-0500
		8 x 0,25	PUR	2 m	77 3403 0000 50008-0200
				5 m	77 3403 0000 50008-0500
Male angled connector, moulded, screw version, M8 x 1, stainless steel locking ring		3 x 0,34	PVC	2 m	77 3703 0000 20003-0200
				5 m	77 3703 0000 20003-0500
			PUR	2 m	77 3703 0000 50003-0200
				5 m	77 3703 0000 50003-0500
		4 x 0,34	PVC	2 m	77 3703 0000 20004-0200
				5 m	77 3703 0000 20004-0500
			PUR	2 m	77 3703 0000 50004-0200
				5 m	77 3703 0000 50004-0500
		6 x 0,25	PUR	2 m	77 3703 0000 50006-0200
				5 m	77 3703 0000 50006-0500
		8 x 0,25	PUR	2 m	77 3703 0000 50008-0200
				5 m	77 3703 0000 50008-0500

Specifications	Cable connector, moulded			
Contacts	3		4	
Wire gauge	0,34 mm² (AWG 22)		0,25 mm² (AWG 24)	
Mechanical operation	> 100 Mating cycles			
Temperature range	−25 °C /+ 85 °C			
Rated voltage	60 V, 10–30 V with LED		30 V	
Pollution degree	3			
Rated current (40°C)	4 A		1,5 A	
Contact plating	Au (Gold)			
Material of housing	PUR			

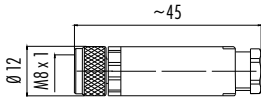
Specifications	Standard Cable			
Contacts	3		4	
Wire gauge	3 x 0,34 mm² (AWG 22)		4 x 0,34 mm² (AWG 22)	
Material jacket	PVC	PUR	PVC	PUR
Insulation of wire	PVC	PP	PVC	PP
Remark	In chain flex application or when stressed mechanically +60 °C.			
Approval	UL/CSA			
UL-style	PVC: AWM 2517 PUR: AWM 20549			

¹⁾ Standard cable length is 2 m/5 m. Other length on request.

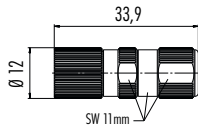
Description	Drawing	Contacts	Cable outlet	Ordering-No.
Female cable connector, solder		3	3,5–5 mm	99 3400 00 03
		4		99 3376 00 04



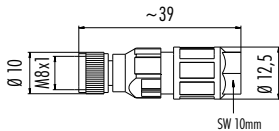
Female cable connector, screw		3	3,5–5 mm	99 3400 100 03
		4		99 3376 100 04



Female cable connector, biatec®		3	3–5 mm	99 3400 400 03
		4		99 3376 400 04



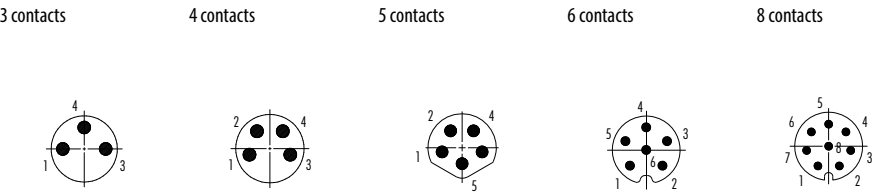
Female cable connector, IDT connection		Contacts	Wire gauge	Ordering-No.
		3	0,08–0,25 mm ² 0,25–0,5 mm ²	99 3400 500 03 99 3400 550 03
		4	0,08–0,25 mm ² 0,25–0,5 mm ²	99 3376 500 04 99 3376 550 04



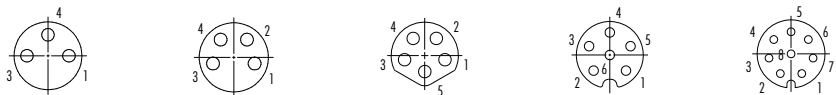
NEW



Contact arrangements male insert (mating side)



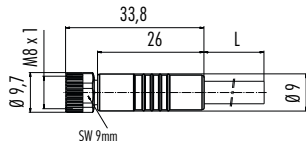
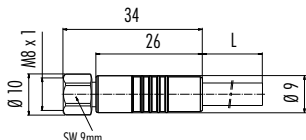
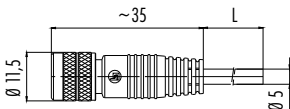
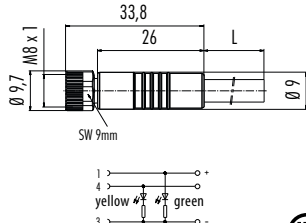
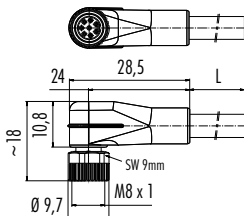
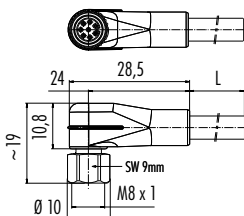
Contact arrangements female insert (mating side)

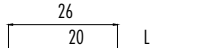


Colour of wire, moulded cable and panel mount connectors

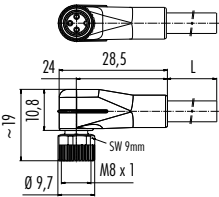
3 contacts	4, 5, 6 contacts	8 contacts
1 brown	1 brown	1 white
2 not connected	2 white	2 brown
3 blue	3 blue	3 green
4 black	4 black	4 yellow
	5 grey	5 grey
	6 pink	6 pink
		7 blue
		8 red

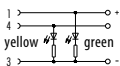
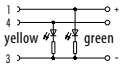
Description	Drawing	Contacts	Cable outlet	Ordering-No.
Female cable connector, solder, shieldable		3	2–3,5 mm	99 3360 25 03
			3,5–5 mm	99 3360 00 03
		4	2–3,5 mm	99 3362 25 04
			3,5–5 mm	99 3362 00 04
NEW				
Female cable connector, screw clamp termination, iris type spring, shieldable		3	3,5–5,5 mm	99 3360 100 03
		4		99 3362 100 04
Female cable connector, screw clamp termination, shieldable		3	6–8 mm	99 3360 300 03
		4		99 3362 300 04
Female angled connector, solder		3	3,5–5 mm	99 3402 00 03
		4		99 3378 00 04
Female angled connector, screw clamp termination		3	3,5–5 mm	99 3400 110 03
		4		99 3376 110 04
Female angled connector, solder, shieldable		3	3,5–5 mm	99 3364 00 03
		4		99 3366 00 04

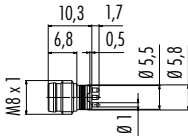
Description	Drawing	Contacts	Cable jacket	Cable length	Ordering-No.	
Female cable connector, moulded, screw version, M8 x 1	  ULUS LISTED	3 x 0,34	PVC	2 m	77 3406 0000 20003-0200	
				5 m	77 3406 0000 20003-0500	
			PUR	2 m	77 3406 0000 50003-0200	
				5 m	77 3406 0000 50003-0500	
		4 x 0,34	PVC	2 m	77 3406 0000 20004-0200	
				5 m	77 3406 0000 20004-0500	
			PUR	2 m	77 3406 0000 50004-0200	
				5 m	77 3406 0000 50004-0500	
		6 x 0,25	PUR	2 m	77 3406 0000 50006-0200	
				5 m	77 3406 0000 50006-0500	
		8 x 0,25	PUR	2 m	77 3406 0000 50008-0200	
				5 m	77 3406 0000 50008-0500	
Female cable connector, moulded, screw version, M8 x 1, stainless steel locking ring	  ULUS LISTED	3 x 0,34	PVC	2 m	77 3706 0000 20003-0200	
				5 m	77 3706 0000 20003-0500	
			PUR	2 m	77 3706 0000 50003-0200	
				5 m	77 3706 0000 50003-0500	
		4 x 0,34	PVC	2 m	77 3706 0000 20004-0200	
				5 m	77 3706 0000 20004-0500	
			PUR	2 m	77 3706 0000 50004-0200	
				5 m	77 3706 0000 50004-0500	
		6 x 0,25	PUR	2 m	77 3706 0000 50006-0200	
				5 m	77 3706 0000 50006-0500	
		8 x 0,25	PUR	2 m	77 3706 0000 50008-0200	
				5 m	77 3706 0000 50008-0500	
Female cable connector, moulded, screw version, M8 x 1, shielded	  ULUS LISTED	3 x 0,34	PUR	2 m	77 3506 0000 50003-0200	
				5 m	77 3506 0000 50003-0500	
		4 x 0,34		2 m	77 3506 0000 50004-0200	
				5 m	77 3506 0000 50004-0500	
Female cable connector, moulded, screw version, M8 x 1, LED, PNP	  ULUS LISTED	3 x 0,34	PVC	2 m	77 3606 0000 20003-0200	
				5 m	77 3606 0000 20003-0500	
				PUR	2 m	77 3606 0000 50003-0200
					5 m	77 3606 0000 50003-0500
Female angled connector, moulded, screw version, M8 x 1	  ULUS LISTED	3 x 0,34	PVC	2 m	77 3408 0000 20003-0200	
				5 m	77 3408 0000 20003-0500	
			PUR	2 m	77 3408 0000 50003-0200	
				5 m	77 3408 0000 50003-0500	
		4 x 0,34	PVC	2 m	77 3408 0000 20004-0200	
				5 m	77 3408 0000 20004-0500	
			PUR	2 m	77 3408 0000 50004-0200	
				5 m	77 3408 0000 50004-0500	
		6 x 0,25	PUR	2 m	77 3408 0000 50006-0200	
				5 m	77 3408 0000 50006-0500	
		8 x 0,25	PUR	2 m	77 3408 0000 50008-0200	
				5 m	77 3408 0000 50008-0500	
Female angled connector, moulded, screw version, M8 x 1, stainless steel locking ring	  ULUS LISTED	3 x 0,34	PVC	2 m	77 3708 0000 20003-0200	
				5 m	77 3708 0000 20003-0500	
			PUR	2 m	77 3708 0000 50003-0200	
				5 m	77 3708 0000 50003-0500	
		4 x 0,34	PVC	2 m	77 3708 0000 20004-0200	
				5 m	77 3708 0000 20004-0500	
			PUR	2 m	77 3708 0000 50004-0200	
				5 m	77 3708 0000 50004-0500	
		6 x 0,25	PUR	2 m	77 3708 0000 50006-0200	
				5 m	77 3708 0000 50006-0500	
		8 x 0,25	PUR	2 m	77 3708 0000 50008-0200	
				5 m	77 3708 0000 50008-0500	

Description	Drawing	Contacts	Cable jacket	Cable length	Ordering-No.
Female angled connector, moulded, screw version, M8 x 1, shielded		3 x 0,34	PUR	2 m	77 3508 0000 50003–0200
		4 x 0,34		5 m	77 3508 0000 50003–0500
				2 m	77 3508 0000 50004–0200
				5 m	77 3508 0000 50004–0500

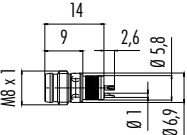


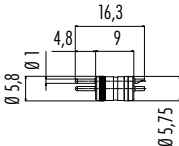
Female angled connector, moulded, screw version, M8 x 1, LED, PNP		3 x 0,34	PVC	2 m	77 3608 0000 20003-0200
				5 m	77 3608 0000 20003-0500
		4 x 0,34	PUR	2 m	77 3608 0000 50003-0200
				5 m	77 3608 0000 50003-0500
		PVC		2 m	77 3608 0000 20004-0200
				5 m	77 3608 0000 20004-0500

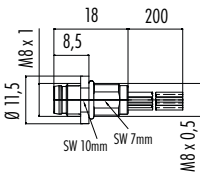
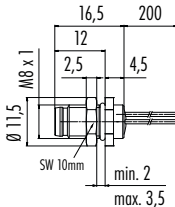


Description	Drawing	Contacts	Ordering-No.
		3	09 3413 150 03
Male receptacle, short version, dip-solder, without LED		4	09 3415 150 04



Male receptacle, solder/for M8 tube		3	09 3413 00 03
		3 + LED red	09 3413 40 03
		3 + LED yellow	09 3413 41 03
		3 for M8 tube	09 3411 70 03
		4	09 3415 00 04
		4 + LED red	09 3415 40 04
		4 + LED yellow	09 3415 41 04
		4 for M8 tube	09 3389 70 04



Male panel mount connector, with single wires			Contacts	Fastened from back side	Front fastened
			3 x 0,25	09 3403 00 03	09 3403 86 03
			4 x 0,25	09 3391 00 04	09 3391 86 04
			6 x 0,14	09 3463 00 06	09 3463 86 06
			8 x 0,14	09 3487 00 08	09 3487 86 08

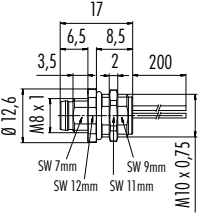
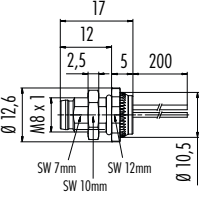


fastened from back side

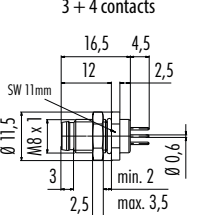
front fastened

Specifications	Panel mount connector				
Contacts	3	4	5	6	8
Wire gauge	0,25 mm² (AWG 24)			0,14 mm² (AWG 26)	
Mechanical operation	> 100 Mating cycles				
Temperature range	−40 °C / + 85 °C				
Rated voltage	60 V		30 V		
Pollution degree	3				
Rated current (40°C)	4 A			1,5 A	
Contact plating	Au (Gold)				
Material of housing	CuZn (brass nickel plated), zinc diecasting nickel plated				

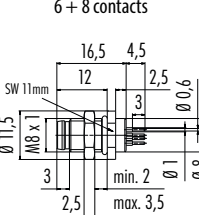
¹⁾ Standard cable length is 2 m/5 m. Other length on request.

Description	Drawing	Contacts	Fastened from back side	Front fastened
Male panel mount connector, with single wires	  fastened from back side  front fastened	3 x 0,25	09 3419 00 03	09 3419 86 03
		4 x 0,25	09 3421 00 04	09 3421 86 04
		5 x 0,25	09 3425 00 05	09 3425 86 05
		6 x 0,14	09 3423 00 06	09 3423 86 06
		8 x 0,14	09 3427 00 08	09 3427 86 08

Description	Contacts	Ordering-No.	
Male panel mount connector, front fastened, dip-solder	3	09 3403 81 03	
	4	09 3391 81 04	
	6	09 3463 81 06	
	8	09 3487 81 08	

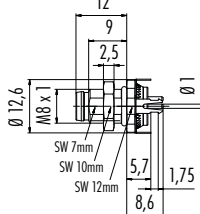


3 + 4 contacts



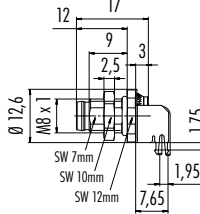
6 + 8 contacts

Description	Contacts	Ordering-No.
Male panel mount connector, front fastened, dip-solder, with shielding sheet	3	09 3419 81 03
	4	09 3421 81 04
	5	09 3425 81 05
	6	09 3423 81 06
	8	09 3427 81 08



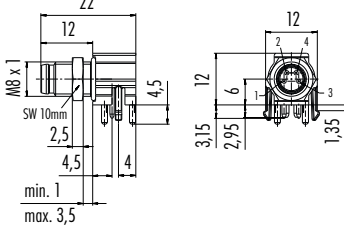
PCB thickness: 1,6 mm

Description	Contacts	Ordering-No.
Male angled panel mount connector, front fastened, dip-solder, with shielding sheet	3	09 3419 82 03
	4	09 3421 82 04
	5	09 3425 82 05
	6	09 3423 82 06



PCB thickness: 1,6 mm

Description	Contacts	Ordering-No.
Male angled panel mount connector, front fastened, dip-solder	3	99 3403 282 03
	4	99 3391 282 04

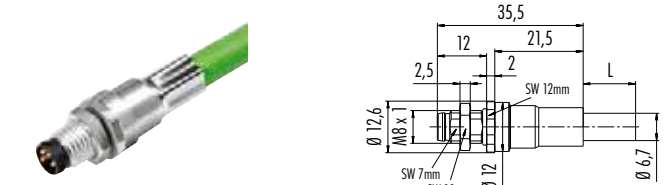


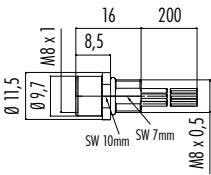
PCB thickness: 1,5 mm



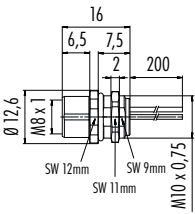
Description	Contacts	Cable length	Ordering-No.
Male panel mount connector, front fastened, with Ethernet cable	4	0,5 m	70 3421 005 04

 NEW

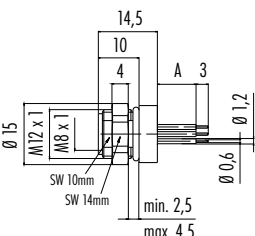


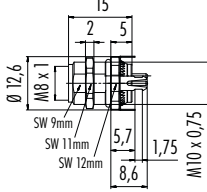
Description	Drawing	Contacts	Fastened from back side	Front fastened
Female panel mount connector, with single wires/front fastened, with single wires	 	3 x 0,25	09 3412 00 03	 09 3412 86 03
		4 x 0,25	09 3390 00 04	 09 3390 86 04
		6 x 0,14	09 3462 00 06	09 3462 86 06
		8 x 0,14	09 3486 00 08	09 3486 86 08

fastened from back side front fastened

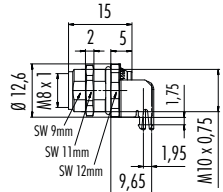
Female panel mount connector, with single wires/front fastened, with single wires	 	3 x 0,25	09 3418 00 03	09 3418 86 03
		4 x 0,25	09 3420 00 04	09 3420 86 04
		5 x 0,25	09 3424 00 05	09 3424 86 05
		6 x 0,14	09 3422 00 06	09 3422 86 06

fastened from back side front fastened

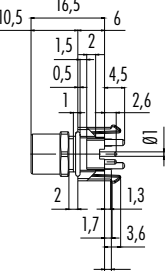
Female panel mount connector, front fastened, dip-solder	 	Contacts	Contact length	Ordering-No.	
		3	9,5 mm	09 3412 80 03	
			4,7 mm	09 3412 187 03	
			0,5 mm	09 3412 186 03	

Female panel mount connector, front fastened, dip-solder, with shielding sheet	 	Contacts	Ordering-No.
		3	09 3418 81 03
		4	09 3420 81 04
		5	09 3424 81 05

PCB thickness: 1,6 mm

Female angled panel mount connector, front fastened, dip-solder, with shielding sheet	 	3	09 3418 82 03
		4	09 3420 82 04
		5	09 3424 82 05
		6	09 3422 82 06

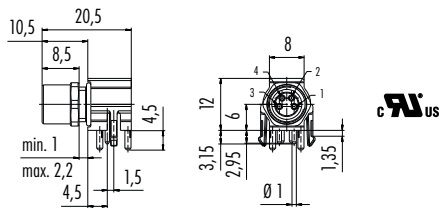
PCB thickness: 1,6 mm

Female panel mount connector, dip-solder, 6 mm/10 mm	 	Contacts	6 mm	10 mm
		3	99 3412 281 03	99 3412 280 03

PCB thickness: 1,5 mm

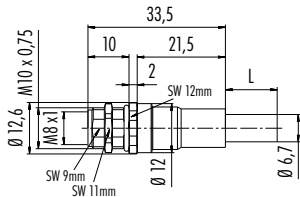


Description	Drawing	Contacts	Ordering-No.
Female angled panel mount connector, front fastened, dip-solder		3	99 3412 282 03
		4	99 3390 282 04



PCB thickness: 1,6 mm

Description	Drawing	Contacts	Cable length	Ordering-No.
Female panel mount connector, front fastened, with Ethernet cable		4	0,5 m	70 3421 005 04

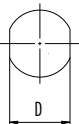


NEW

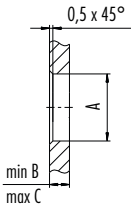
Panel cut out

Panel mount connector

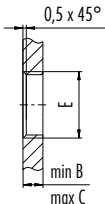
With flats as anti-rotation device



With bore hole



With thread to screw in

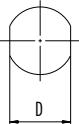


Gewinde E/thread E	A	B	C	D
M8 x 0,5	8,1	2,5	3,5	7,1
M10 x 0,75	10,1	2,5	5,0	9,1

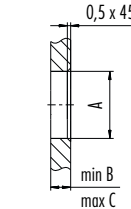
Tightening moment 1 Nm

Panel mount connector, front fastened

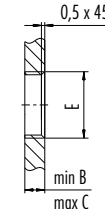
With flats as anti-rotation device



With bore hole



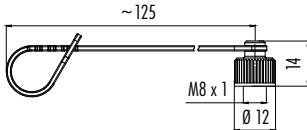
With thread to screw in



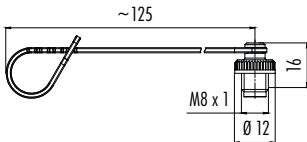
Gewinde E/thread E	A	B	C	D
M8 x 1	8,1	2,0	3,5	7,1
M10 x 0,75	10,1	2,0	6,5	9,1
M12 x 1	12,1	2,5	4,5	10,0

Tightening moment 1 Nm

Description	Drawing	Ordering-No.
Protection cap for male cable connector		08 2840 000 000



Protection cap for female cable connector		08 2841 000 000
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Description	Drawing	Ordering-No.
Protection cap for male panel mount connector		08 2842 000 000
Protection cap for male panel mount connector, for front mounting		08 2972 000 000
Protection cap for female panel mount connector		08 2843 000 000
Protection cap for female panel mount connector, for front mounting		08 2973 000 000
Protection cap for female connector		08 2441 000 000
Dummy plug M10 x 0,75		08 3130 000 000
Hexagonal nut M8 x 0,5		01 0769 001
Mounting tool for M8 locking ring, 0,4 Nm		07 0085 000