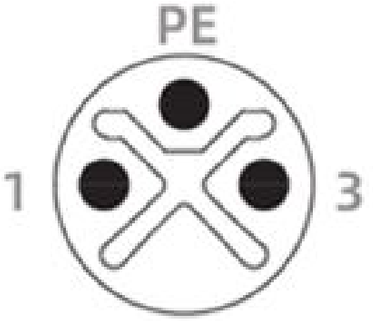
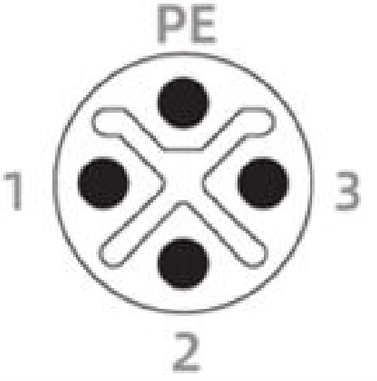
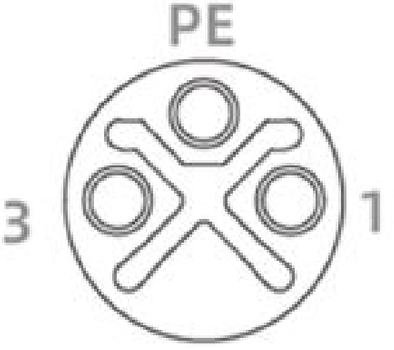
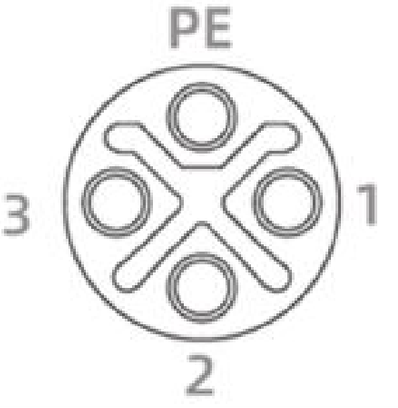
M12 S-코드 커넥터 핀아웃

M12 S-Coded Connector Pinout			
Gender	2 Pin	2+PE	3+PE
Male			
Female			

M12 S 코딩 커넥터 색상 코드 배선도

M12 S Coded Connector Color Code		
Pin ID	Color	
1	BK1	
2	BK2	
3	BK3	
PE	GNYE	

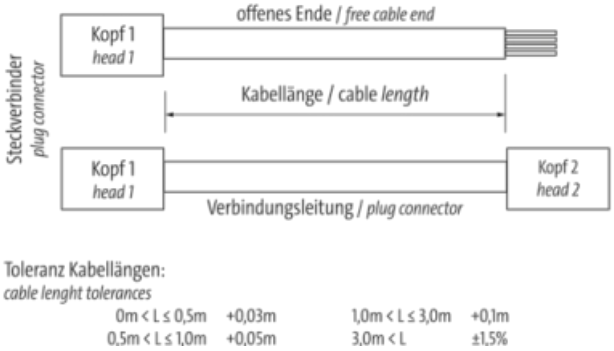
M12 Power male recept. S-cod. front

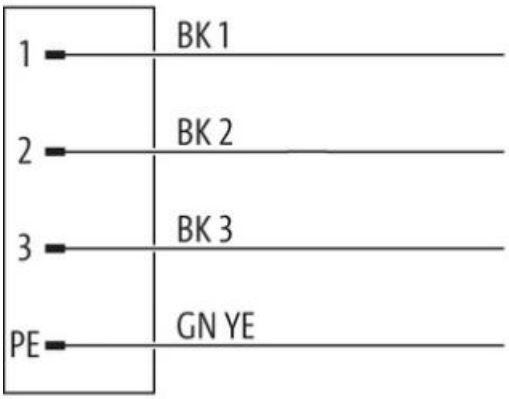
mPPE-wires 4x1.5 1m

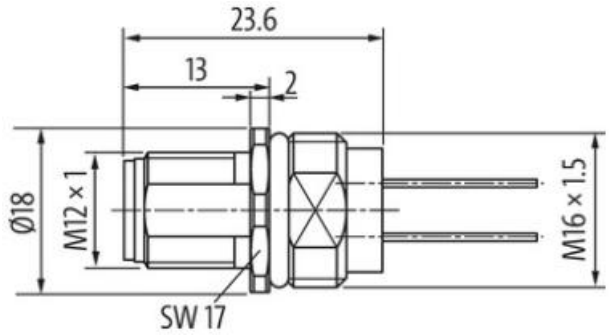
Flange male
M12, 4-pole
S-coded
Front mounting
with multi-strand wire
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

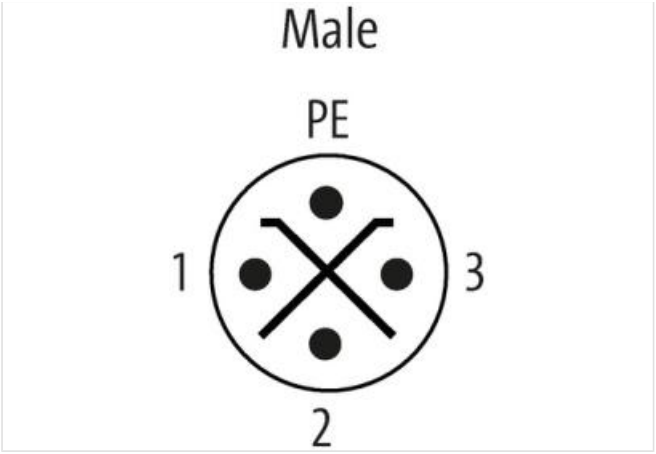
Link to Product

Illustration









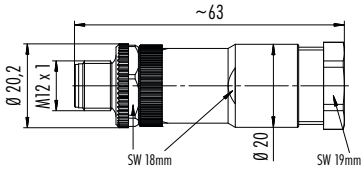
Product may differ from Image

Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
Coding	S
Material contact	Copper alloy
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC002061
customs tariff number	85444290
GTIN	4048879664936
Packaging unit	1
Electrical data | Supply	
Operating voltage AC max.	630 V
Operating voltage DC max.	630 V
Current operating per contact max.	12 A
Installation | Connection	
Mounting set	M16 x 1.5
Width across flats	SW17
Mating cycles min.	100
Device protection | Electrical	
Degree of protection (EN IEC 60529)	IP68
Additional condition protection degree	inserted, screwed

Pollution Degree	3
Rated surge voltage	6 kV
Material group (IEC 60664-1)	III
Mechanical data | Material data	
Material contact carrier	PA
Mechanical data | Mounting data	
Mounting method	inserted, screwed
Environmental characteristics | Climatic	
Operating temperature min.	-40 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	**Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Resistances | Cable	
wire arrangement	black 1, black 2, black 3, green-yellow
Cable identification	940
wire arrangement	black 1, black 2, black 3, green-yellow
Material wire insulation	PE
Amount wires	4
Conductor crosssection (wire)	1,5 mm²
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	85 °C
Flame resistance	IEC 60332-2-2 | UL 1581 § 1100 FT2 | UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing | DIN EN 60811-404

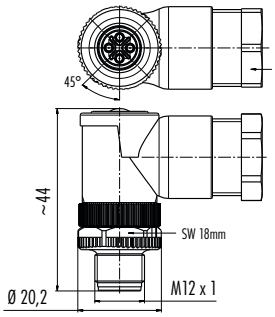
- Screw locking acc. to DIN EN 61076-2-111
- Degree of protection IP67
- Easy assembly
- Power supply up to 630 V AC/12 A
- Angled connectors adjustable in 4 positions
- Panel mount connector with single wires/ screw clamp contacts

Description	Drawing	Contacts	Cable outlet	Ordering-No.
Male cable connector, for power supply		2+PE	8–10 mm	99 0685 19 03
		3+PE		99 0689 19 04



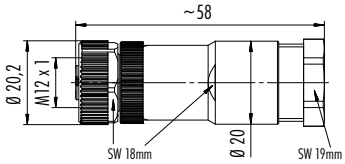
NEW

Male angled connector, for power supply		3+PE	8–10 mm	99 0689 58 04



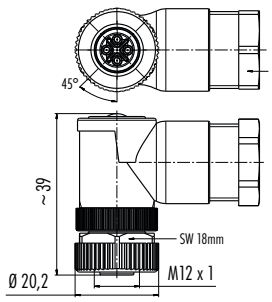
It is possible to turn and fix the contact carrier in 4 different 90° positions

Female cable connector, for power supply		2+PE	8–10 mm	99 0686 19 03
		3+PE		99 0690 19 04



NEW

Female angled connector, for power supply		3+PE	8–10 mm	99 0690 58 04

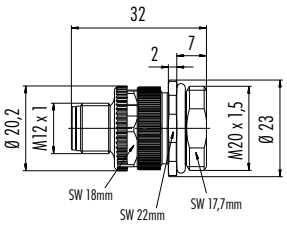


It is possible to turn and fix the contact carrier in 4 different 90° positions

Specifications

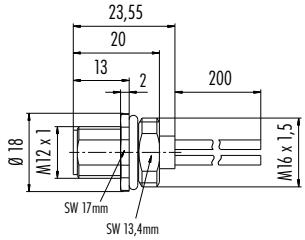
Contacts	2+PE	3+PE
Wire gauge	max. 2,5 mm² (max. AWG 14)	max. 1,5 mm² (max. AWG 16)
Mechanical operation	> 100 Mating cycles	
Temperature range	– 40 °C /+ 85 °C	
Rated voltage	630 V	
Pollution degree	3	
Rated current (40°C)	16 A	12 A
Contact plating	Au (Gold)	
Material of housing	PA	

Description	Drawing	Contacts	Fixing thread	Ordering-No.
Male panel mount connector, screw clamp termination		3+PE	M20 x 1,5	99 0693 500 04

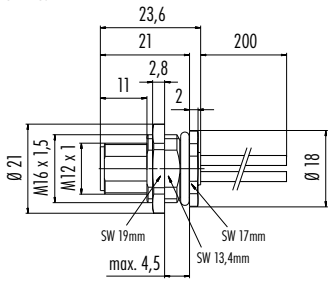


Male panel mount connector, with single wires	2+PE x AWG 16	M16 x 1,5	09 0687 700 03 ■
	3+PE x AWG 16		09 0691 700 04

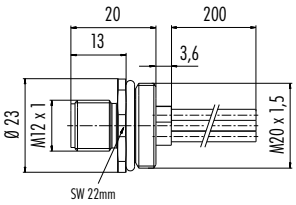
■ NEW



Male panel mount connector, front fastened, with single wires	3+PE x AWG 16	M16 x 1,5	09 0691 121 04

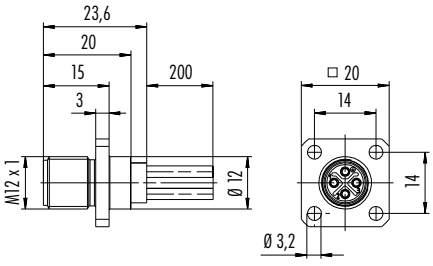


Male panel mount connector, with single wires	3+PE x AWG 16	M20 x 1,5	09 0691 642 04



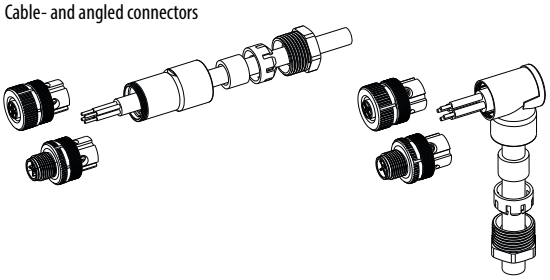
Male panel mount connector, rectangular flange, with single wires	3+PE x AWG 16	–	09 0691 070 04

■ NEW



Component part drawing

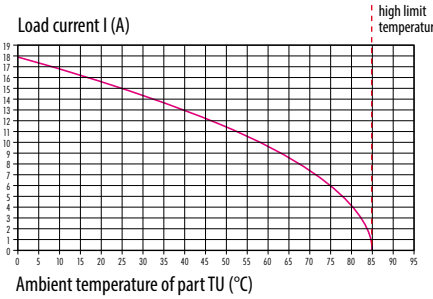
Cable- and angled connectors



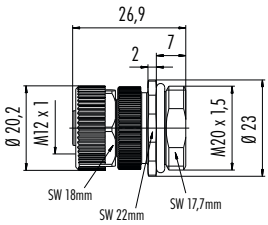
Female insert/
Male insert
Sleeve/
Angled housing
Seal
Pinch ring
Pressing screw

Rating

Derating curve
according to DIN EN 60512 for
POWER cable connectors
S-Coding 4 contacts

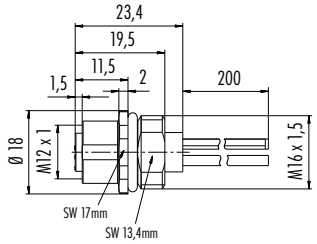


Description	Drawing	Contacts	Fixing thread	Ordering-No.
Female panel mount connector, screw clamp termination		3+PE	M20 x 1,5	99 0694 500 04

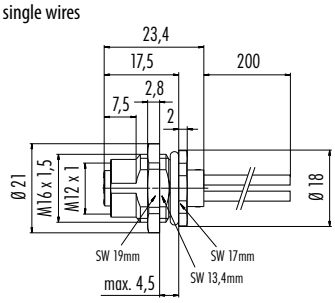


Female panel mount connector, with single wires	2+PE x AWG 16	M16 x 1,5	09 0688 700 03 ■
	3+PE x AWG 16		09 0692 700 04

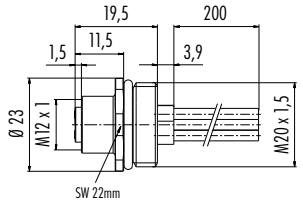
■ NEW



Female panel mount connector, front fastened, with single wires	3+PE x AWG 16	M16 x 1,5	09 0692 121 04

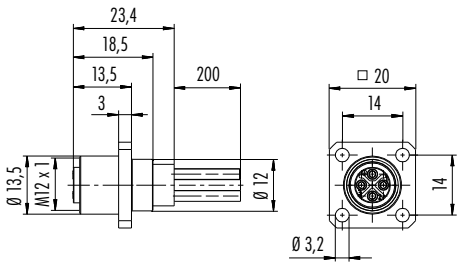


Female panel mount connector, with single wires, M20 x 1,5	3+PE x AWG 16	M20 x 1,5	09 0692 642 04



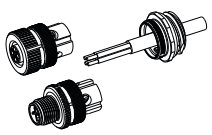
Female panel mount connector, rectangular flange, with single wires	3+PE x AWG 16	AWG 16	09 0692 070 04

■ NEW



Component part drawing

Panel mount connector, screw clamp termination, not shieldable



Contact arrangements male insert (mating side)

2+PE contacts

3+PE contacts

Contact arrangements female insert (mating side)

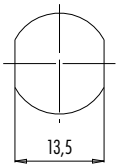
Colour of wire

2+PE contacts		3+PE contacts	
1	black 1	1	black 1
2	not connected	2	black 2
3	black 3	3	black 3
⏚	yellow/green	⏚	yellow/green

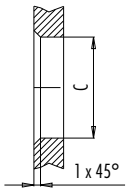
Panel cut out

Panel mount connector

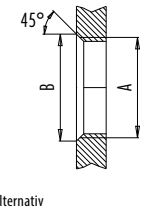
With flats as anti-rotation device



With bore hole



With thread to screw in



alternativ

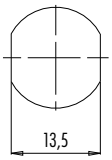
	A	B	C
PG 9	PG 9	16,2	15,3
M16x1,5	M16x1,5	17,0	16,1

Tightening moment

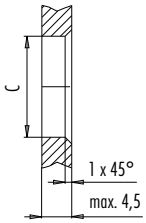
Metal housing	6,25 Nm
Plastic housing	3,75 Nm

Panel mount connector, front fastened

With flats as anti-rotation device



With bore hole

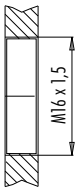


	C
PG 9	15,3
M16x1,5	16,1

Tightening moment

Metal housing	6,25 Nm
Plastic housing	3,75 Nm

Panel mount connector, positioning possible

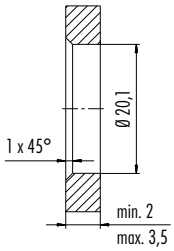


Tightening moment

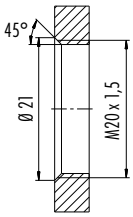
Metal housing	6,25 Nm
Plastic housing	3,75 Nm

Panel mount connector, screw clamp termination

With bore hole



With thread to screw in



Tightening moment

M20 x 1,5	2 Nm

Panel mount connector, square flange