

Circular connector Type series UG3 . . .



Features

- Connector in straight or right-angled design
 - with molded cable
 - field attachable
- Threaded joint M12, knurled nut CuZn nickel-plated

Options

- With integrated ventilation (upon request)
- For PROFIBUS PU field devices:
Connector Split Connect M12 with integrated insulation displacement contact (upon request)

Application

M12 connector or right angle connector with self-locking threaded joint, optional with integrated cable ventilation. Suitable for a reliable electrical connection of pressure and temperature transmitters.

Technische Daten

For circular connector M12 with molded cable

Materials

Molded body	TPU
Insert	TPU
Sleeve	CuZn, nickel-plated
O-ring	FKM
Cable	PUR halogen-free
Contact	CuSn, pre-nickeled and 0,3 µm gold-plated

Temperature range -25 °C...+80 °C

Electrical data

Current carrying capacity	4-poles: 4 A, 8-poles: 2 A
Nominal voltage	4-poles: 240 V, 8-poles: 30 V
Test voltage	4-poles: 2,0 kV eff./60 s 8-poles: 1,5 kV eff./60 s
Contact resistance	≤ 5 mΩ
Insulation resistance	> 10 ⁹ Ω

Mechanical data

Degree of protection IP 67, only in locked position with its proper counterparts

For field-attachable connector M12

Materials

Molded body	PBT
Insert	PBT
Sleeve	CuZn, nickel-plated
O-ring	FKM
Cable	PUR halogen-free
Contact	4-poles: CuZn, pre-copperd, 8-poles: CuSnZn pre-nickeled, gold-plated

Temperature range -25°C...+90 °C

Electrical data

Current carrying capacity	4-poles: 4A, 8-poles: 2A
Nominal voltage	4-poles: 240 V, 8-poles: 30 V
Test voltage	4-poles: 2,0 kV eff./60s 8-poles: 0,9 kV eff./60s
Contact resistance	≤ 5 mΩ
Insulation resistance	> 10 ⁹ Ω

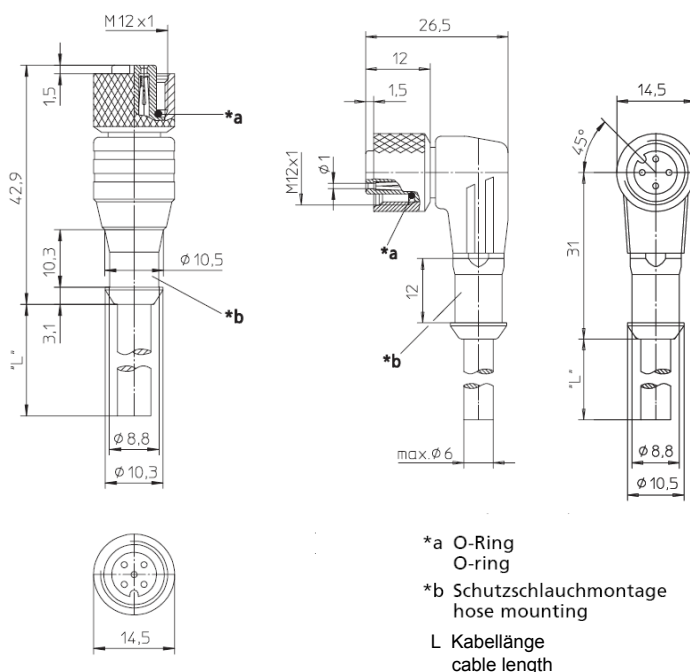
Mechanical data

Connectable conductor 4-poles: max 0,75 mm²
8-poles: max 0,50 mm²

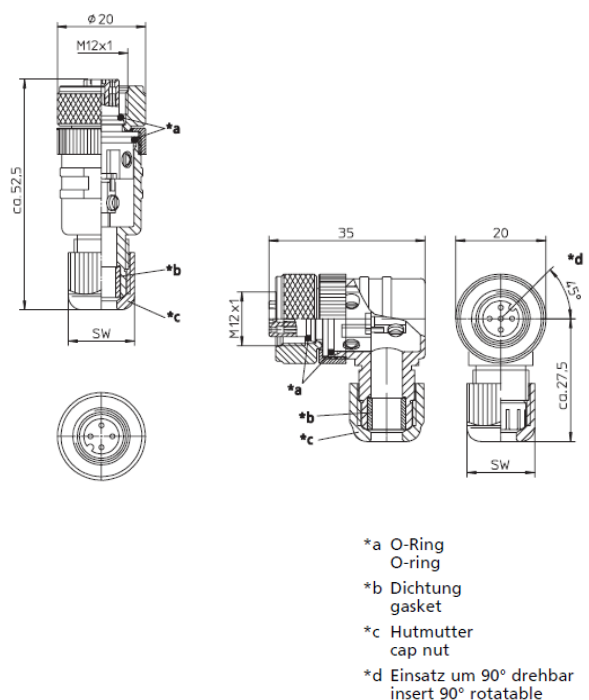
Degree of protection IP 67, only in locked position with its proper counterparts

Dimensions

with molded cable

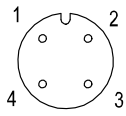


field attachable

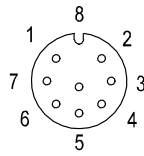


Connection diagram

Circular connector M12x1



4-polig/ 4 poles
 1 = braun/brown
 2 = weiß/white
 3 = blau/blue
 4 = schwarz/black



8-polig/ 8 poles
 1 = weiß/white
 2 = braun/brown
 3 = grün/green
 4 = gelb/yellow
 5 = grau/grey
 6 = rosa/pink
 7 = blau/blue
 8 = Schirm/shield

Order details

Circular connector with molded cable

Circular connector			UG3 ...					
design	· with molded cable, M12		130					
connector	· straight with threaded joint			A11				
	· right angle connector with threaded joint			A21				
electrical connection	· 4-poles				B2			
	· 8-poles				B4			
cable	material	· PUR			C1			
	connection	· cable 4-poles, 0.34 mm ²				21		
		· cable 8-poles, 0.25 mm ²				60		
	length	· 2.00 m					01	
		· 5.00 m					02	
		· 10.00 m					03	
· 15.00 m						04		
order code (example):			UG3130	A11	B2	C1	21	01

Circular connector, attachable

Circular connector		UG3 ...					
design	· attachable, M12	330					
connector	· straight		A11				
	· right angle		A21				
electrical connection	· 4-poles			B2			
	· 8-poles			B4			
cable	· for cable Ø 4,0-8.0 mm					2	
order code (example):		UG3330	A11	B2		2	