

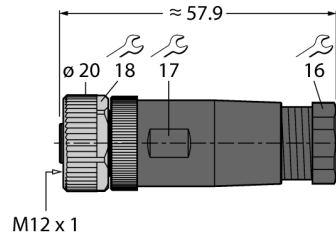
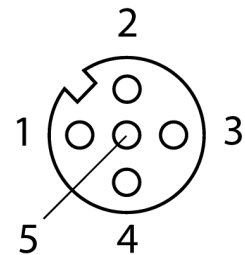
# M12 x 1 Round Connector

## Female, straight, customizable

### BM8151-0/PG9

- A-coding
- Metal coupling nut
- Screw-clamp terminal
- 5-pin
- PG9 screw-in thread
- Cable feedthrough 6.0...8.0 mm

#### Pin Assignment



<b>Type designation</b>	BM8151-0/PG9
Ident-No.	6604162
Ident-No (TUSA)	U8151-1

<b>Connector A side</b>	Field-wireable, female, M12x1, Straight
Number of pins	5
Contacts	brass, CuZn, Optalloy coating
Contact carriers	Plastic, PA, Black
Grip	Plastic, PA, Black
Coupling nut/screw	Die-cast Zinc, GD-Zn, Nickel-plated
Mounting Thread A	PG9
External diameter of the cable	min. 6...8mm
Core cross-section/Clamping ability	0.14...0.75mm <sup>2</sup>
Connection mode	Screw/clamp connection
Mechanical lifespan	> 50 Mating cycles
Pollution degree	3
Protection class	IP67, (screwed together)

<b>Electrical features at +20 °C</b>	
Rated voltage	60 V
Current	4 A
Insulation resistance	≥ 10 <sup>9</sup> Ω
Forward resistance	≤ 8 mΩ

<b>Mechanical and chemical properties</b>	
Ambient temperature	
Stationary	-40...+85°C