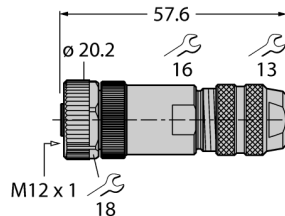


Round connector M12 x 1
Female, straight, customizable
CMB8181-0

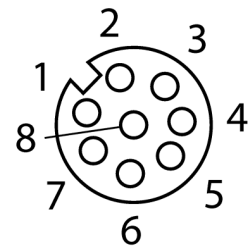
TURCK
works

Industrial
Automation



- A-coding
- Metal housing
- Shieldable
- Shield ring
- Die-cast threaded ring
- Screw-clamp terminal
- 8-pin
- Cable bushing 6 ... 8 mm
- Core cross-section 0.14 ... 0.50 mm²

Pin Assignment



Type designation

Ident-No.	CMB8181-0
Ident-No (TUSA)	6931450
	U0885-23

Connector A side

Number of Pins	Field-wireable, female, M12 x 1, Straight
Contacts	8
Contact carriers	brass, CuZn, Gold-plated
Grip	Plastic, PA, Black
Coupling nut/screw	die-cast zinc, GD-Zn, nickel-plated
External diameter of the cable	Die-cast zinc, GD-Zn, nickel-plated
Core cross-section/Clamping ability	min. 6... 8mm
Connection mode	0.14...0.5mm ²
Mechanical lifespan	Screw terminal
Pollution degree	> 100 mating cycles
Protection class	3
	IP67, (screwed together)

Electrical features at +20 °C

Rated Voltage	60 V
Ampacity	2 A
Insulation resistance	$\geq 10^9 \Omega$
Forward resistance	$\leq 3 \text{ m}\Omega$

Mechanical and chemical properties

Ambient temperature	
Stationary	-40...+85°C