

BMSWS8151-8.5

M12 × 1 Round Connector – Field-Wireable Connector

Male Connector M12 × 1, Straight



Technical data

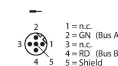
Type	BMSWS8151-8.5
ID no.	6904722
Connector A	Male, M12 × 1, Straight
Number of Pins	5
Contacts	CuZn, Gold-plated
Contact carriers	Plastic, PA, Black
Connector body	Die-cast Zinc, GD-Zn, Nickel-plated
Coupling nut	Die-cast Zinc, GD-Zn, Nickel-plated
Connector seal	Plastic, FPM/FKM
Panel seal	plastic, NBR
Mounting thread	M18x1
External diameter of the cable	min. 6...8.5 mm
Core cross-section/Clamping ability	0.14...0.75 mm ²
Connection mode	Screw/clamp connection
Mechanical life	> 100 Mating cycles
Protection class (When coupled)	IP67, (screwed together)
Fieldbus	PROFIBUS-DP
Shield	yes
Electrical properties at +20 °C	
Rated voltage	125 V
Current	4 A
Insulation resistance	≥ 10 ⁸ Ω

Features



- For use in PROFIBUS-DP applications
- Up to 12 Mbps
- Shielding via iris spring connection
- B-coding
- Metal housing
- Screw-clamp terminal
- 5-pin
- M18 × 1 metric screw-in thread
- Cable diameter 6.0...8.5 mm

Contact assignment



Pin Assignment

Technical data

forward resistance	$\leq 3 \text{ m}\Omega$
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Mechanical and chemical properties

Ambient temperature range (static)	-25 °C...+85 °C
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