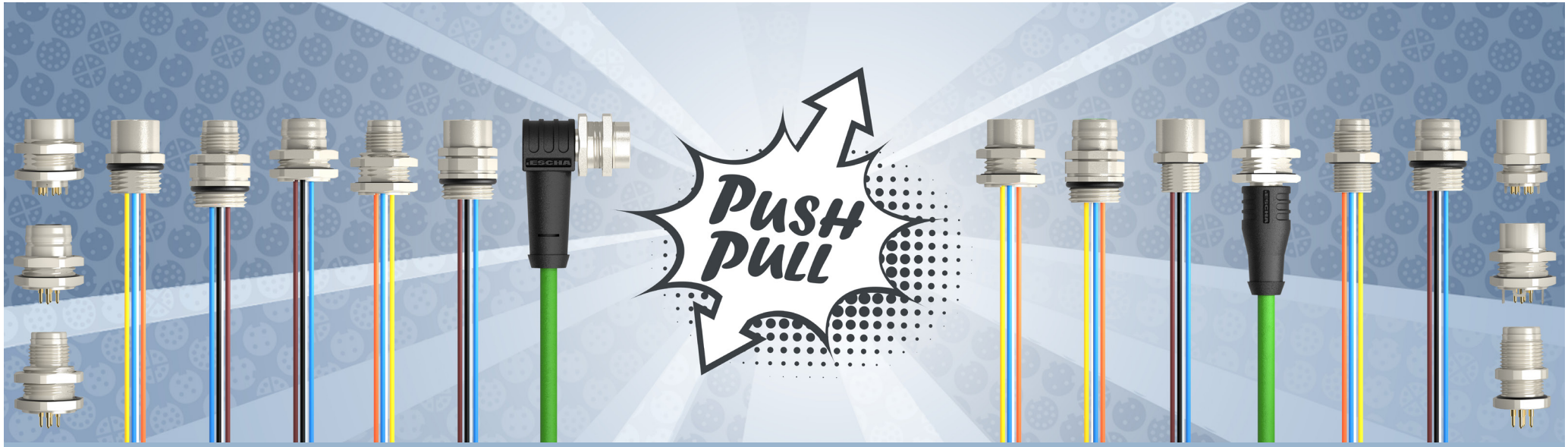
EN



M12 Push-Pull Receptacles

Technical data	
Insulation resistance	≥10^8Ω
Ambient temperature	-30°C...90°C
Materials contacts	Metal, gold-plated
Materials contact carrier	Plastic, TPU or PA
Material grip body	Plastic, TPU
Materials sealing	NBR / HNBR or FPM / FKM
Standards	IEC 61076-2-101, IEC 61076-2-010
Protection class (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3

With its fast and intuitive push-pull locking mechanism, ESCHA helps reducing installation and downtime, providing user with a tangible advantage. The robust push-pull mechanism is suitable for vibration-prone environments and offers a scalable portfolio for signal, fieldbus, and Ethernet applications.

The receptacles with push-pull locking meet the specific requirements of DIN EN IEC 61076-2-010.

The new M12 push-pull receptacles portfolio (male and female) expands the classic M12 device connectors with a push-pull locking mechanism. This enables a quick, tool-free connection with clear tactile feedback without compromising the established M12 interface logic (coding and applications). The new locking mechanism is initially available in various codings (A, D, and X). Additional codings can be provided upon request. A distinction is made between front and rear panel mounting, as well as between inner locking and outer locking. These receptacles are available with PCB contacts, stranded wires, or overmolded cables..

M12 Push-Pull Receptacles Portfolio

Coding	Housing style with locking type	Mounting direction	Connecting type			Mounting thread		Number of pins					
			Wire	Print	Cable	M12	M16	3	4	4+PE	5	8	12
A-coded	Female with inner locking	Front wall-mounting	✓	○	○	✓	✓	✓	✓	✓	✓	✓	✓
		Back wall-mounting	✓	✓	○		✓	✓	✓	✓	✓	✓	✓
	Female with outer locking	Front wall-mounting	✓	○	○	✓	✓	✓	✓	✓	✓	✓	✓
		Back wall-mounting	✓	✓	○		✓	✓	✓	✓	✓	✓	✓
	Male with outer locking	Front wall-mounting	✓	○	○	✓	✓	✓	✓	✓	✓	✓	✓
		Back wall-mounting	✓	✓	○	✓	✓	✓	✓	✓	✓	✓	✓
D-coded	Female with inner locking	Front wall-mounting	✓	○	○	✓	✓		✓				
		Back wall-mounting	✓	✓	✓		✓		✓				
	Female with outer locking	Front wall-mounting	✓	○	○	○	✓		✓				
		Back wall-mounting	○	○	○		○		○				
	Male with outer locking	Front wall-mounting	✓	○	○	✓	✓		✓				
		Back wall-mounting	✓	✓	○	✓	✓		✓				
X-coded	Female with inner locking	Front wall-mounting		✓	○	✓	○					✓	
		Back wall-mounting		✓	✓		✓					✓	

Key: ✓ Standard portfolio ○ available on request

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