

PORTFOLIO EXTENSION

M12 Push-Pull overmolded connectors | Inner locking, A/D/X-coded

PRN26_002



SCOPE OF APPLICATION | APPLICATION

ESCHA is now expanding its push-pull portfolio to include overmolded connectors, thereby providing the counterpart to the push-pull receptacles. This means that the entire system can now be offered with the quick and intuitive push-pull locking mechanism, which helps to reduce assembly and downtime and provides the user with a tangible benefit. The robust push-pull mechanism is suitable for vibration-prone environments and represents a scalable portfolio for signal, fieldbus and Ethernet. Like the push-pull receptacles, the overmolded connectors with push-pull locking meet the specific requirements of DIN EN IEC 61076-2-010.

The new M12 push-pull connector (male) expands the classic M12 device connectors to include 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 as an overmolded connector in various coding options (A, D and X) as a shielded or unshielded variant. Further coding options can be provided on request. Furthermore, it is possible to select from different cable qualities.

KEY FEATURES

- Compliance with DIN EN IEC 61076-2-010 (Push-Pull circular connectors)
- Relevant to railway technology: EN 45545-2 (Fire safety) & IEC 61373 (Shock/Vibration)
- Mechanical life: > 100 mating cycles
- Various cable qualities available
- Tool-free installation
- IP65, IP67 and IP68 protection class

DATE OF PRODUCT RELEASE

- 24. June 2026
- Data sheets and prices available
- Samples can be ordered via the following link:
<https://productmanagement.escha.net/en/release-m12-push-pull-overmolded-connectors/>

LIST OF ITEMS

See detached Excel list

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