



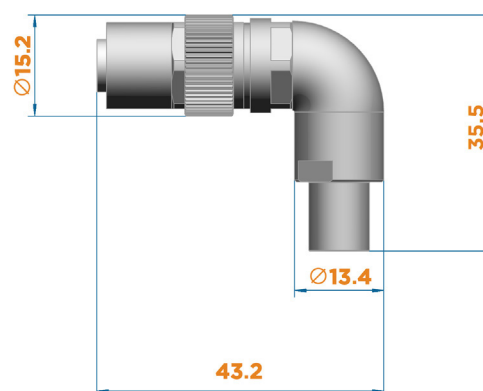
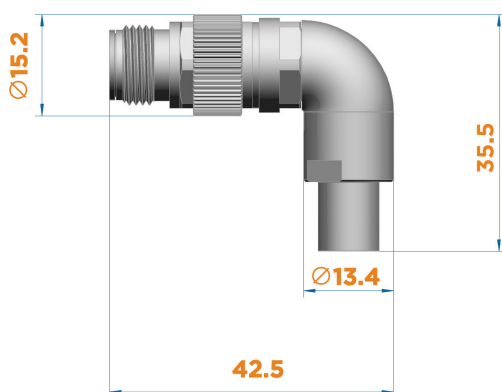
# M12 RAIL 90°

## FIELD INSTALLABLE CONNECTORS

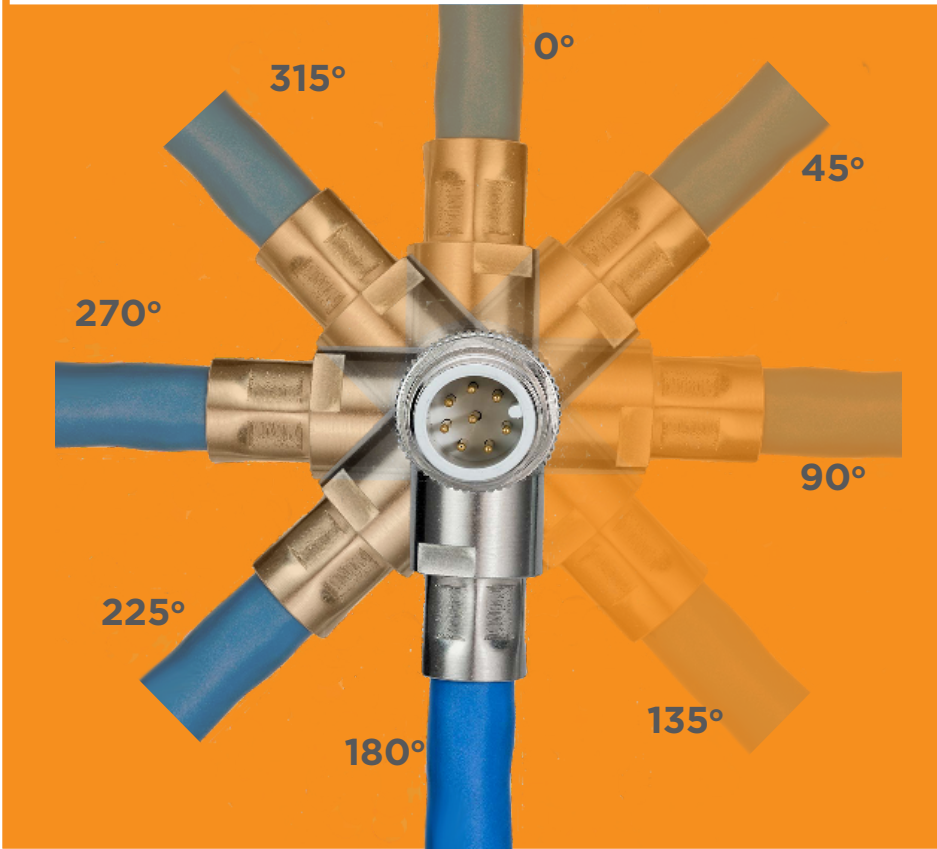
The angled M12 Rail 90° cable connector is field installable and developed for the fault-free data transfer in harsh environments and for difficult installation conditions. The connector is specifically suited for harsh conditions due to the crimp termination for the signal contact and for the cable shield. The special design provides the flexibility for the angled cable exit to solve tight installation condition.

### Technical Features

- Flexible cable exit 90°
- Field installable.
- 8 cable exit options (8 x 45 °) for any installment condition
- Simple selection of the position and lock against rotation of the cable outlet
- Male and female versions
- Coding: A-coding 5 poles and A-Coding 8 poles plus D-Coding 4 poles
- Effective 360° EMI/RFI shielding due to special fully housing and crimp flange/crimp sleeve system
- Torsion - and vibration-proof strain relief
- Easy assembly due to only a few single parts
- Compact dimensions with small diameter
- M12 Locking nut with combined knurled and hexagon combination shape for tightening with defined torque



Rotatable in  
8 steps (45°)



Temperature Range

-40°C to 70°C

Current rating:

D-4: 4A / A-8: 2 A

Operational Voltage:

A-5 / D-4: 50 V DC / A-8: 30 V DC

Contact Resistance:

≤ 5 mΩ

Insulation resistance:

≥ 100 mΩ

Data transmission  
characteristics:

Class D according to IEC  
11801:2002

Data transmission rate:

10/100 Mbit/s

IP rating:

IP67

Mating Cycles:

≥ 100 mating cycles

Standards:

EN 61373 Class 1  
Fire Performance EN 45545  
NFF 16101, 16102

Selection Guide

| Code   | Part Number | Cable                       | Description                   | No.<br>Positions | Male | Female |
|--------|-------------|-----------------------------|-------------------------------|------------------|------|--------|
| D-Code | 1-2823588-1 | CAT 5<br>RADOX<br>7.3mm H&S | M12 D-Code Male cable mount   | 4                | x    |        |
| D-Code | 1-2823588-2 | CAT 5<br>RADOX<br>7.3mm H&S | M12 D-Code Female cable mount | 4                |      | x      |
| D-Code | 1-2823588-3 | TE CAT 5                    | M12 D-Code Male cable mount   | 4                | x    |        |
| D-Code | 1-2823588-4 | TE CAT 5                    | M12 D-Code Female cable mount | 4                |      | x      |
| A-Code | 1-2823587-2 | TE CAT 5                    | M12 A-Code Male cable mount   | 5                | x    |        |
| A-Code | 1-2823587-3 | TE CAT 7                    | M12 A-Code Male cable mount   | 8                | x    |        |
| A-Code | 1-2823587-4 | TE CAT 7                    | M12 A-Code Female cable mount | 8                |      | x      |