

CONNECTORS AND CABLES SETS

FOR VALVES WITH INTEGRATED ELECTRONICS

MATING CONNECTORS FOR MAIN CONNECTION

1 - FOR K11 CONNECTION - 6 PIN+PE

name: EX7S/L/10 **code: 3890000003**

metal connector 6-poles + PE, female, IP67

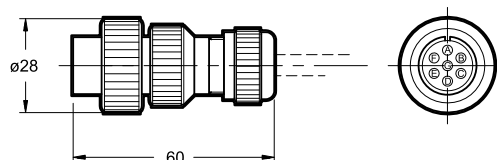
standard: MIL-C-5015-G (EN 175201-804)

suitable cables: Ø11 mm; up to 20 metres length

wire sizes: cross section 1 mm²

contacts: either solders or crimp

shield arranged: yes



name: EX7S/L/10/4015 **code: 3890000012**

metal connector 6-poles + PE, female, IP67

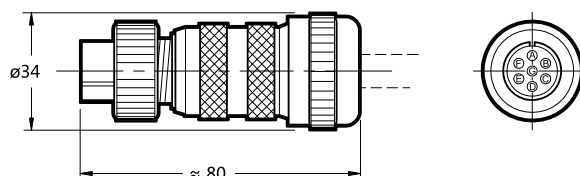
standard: MIL-C-5015-G (EN 175201-804)

suitable cables: Ø18 mm, up to 40 metres length

conductor size: from 0.75 to 1.5 mm²

contacts: crimp contacts (included)

shield arranged: yes



2 - FOR K12 CONNECTION - M12 5 PIN

name: EC5S/M12L/10 **code: 3491001001**

M12 connector, 5-poles, code A, female, IP65/67

glass filled plastic

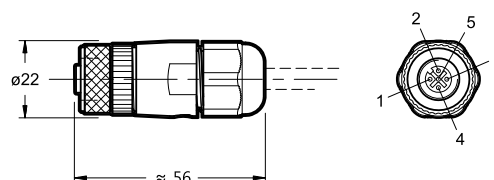
standard: IEC 61076-2-101

suitable cables: Ø9 mm, up to 20 metres length

conductor size: 0.75 mm²

contacts: screw contacts

shield: yes



3 - FOR K16 CONNECTION - 11 PIN+PE

name: EX12S/L/10 **code: 3890000004**

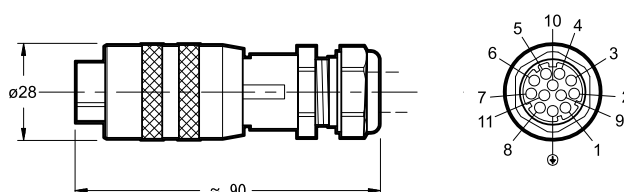
Metal connector 11 poles + PE, shielded

standard: DIN 43651 (EN 175201-804)

suitable cables: Ø15 mm up to 10 metres length

conductor size: max 0.5 mm²

contacts: crimp contacts



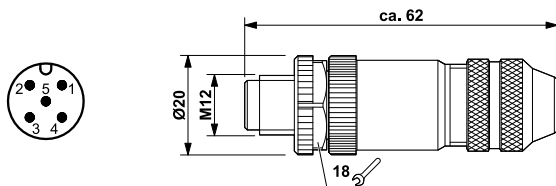


4 - MATING CONNECTORS FOR FIELDBUS COMMUNICATION

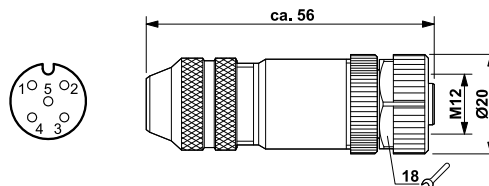
We offer metal connectors IEC 61076-2-101, shielded, with screw connection, IP 67

4.1 - CANopen®

name: EX5P/M12AL/10 **code 3890000008**
connector M12 A 5 pin; external cable diameter 4 ± 6 mm
(X2) male

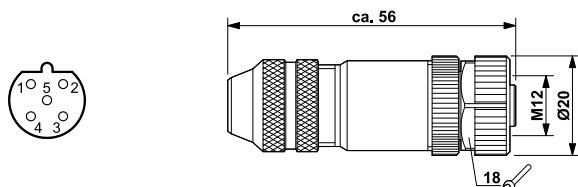


name: EX5S/M12AL/10 **code 3890000007**
connector M12 A 5 pin; external cable diameter 4 ± 6 mm
(X3) female

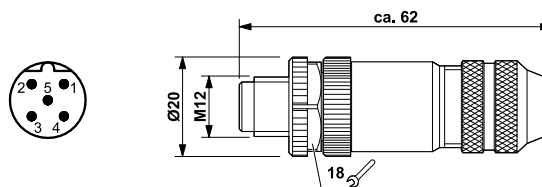


4.2 - Profibus

name: EX5S/M12BL/10 **code 3890000005**
connector M12 B 5 pin; external cable diameter 6.5 ± 8.5 mm
(X2) female

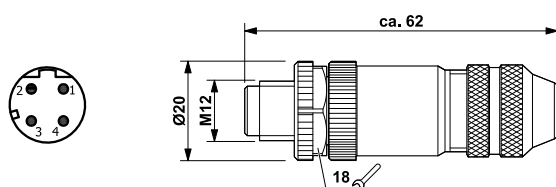


name: EX5P/M12BL/10 **code 3890000006**
connector M12 B 5 pin; external cable diameter 6.5 ± 8.5 mm
(X3) male



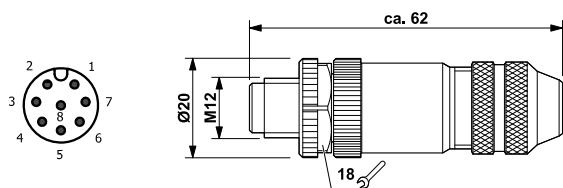
4.3 - EtherCAT, Ethernet/IP, Profinet, Powerlink

name: EX4P/M12DL/10 **code 3890000009**
connector M12 D 4 pin; external cable diameter 4 ± 6 mm
(X2, X3) male

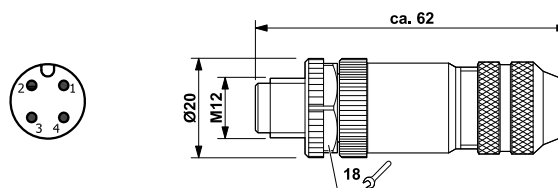


5 - TRANSDUCER MATING CONNECTORS

name: EX8P/M12AL/10 **code 3890000011**
connector for digital sensor type SSI / Encoder M12 A 8 pin
external cable diameter 6 ± 8 mm
(X7) male



name: EX4P/M12AL/10 **code 3890000010**
connector for analogue sensor M12 A 4 pin
external cable diameter 4 ± 6 mm
(X4) male

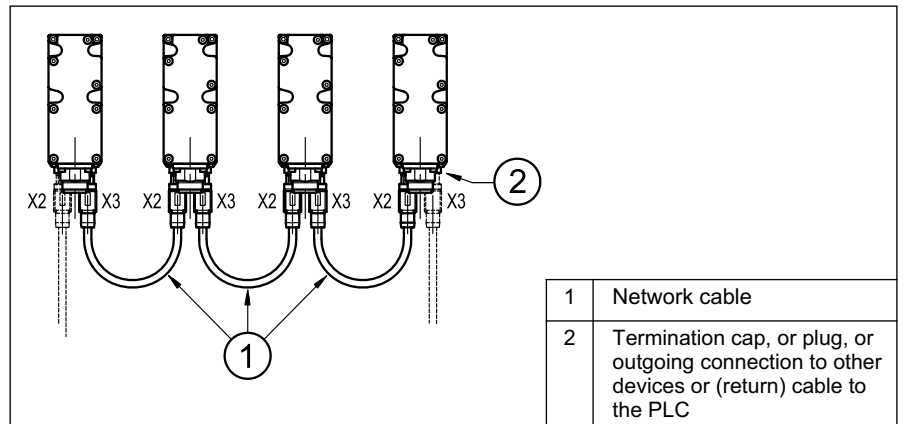


6 - CABLES SETS

We can supply cable sets for fieldbus communication connections X3 to X2 and sensor cables for X7 and X4 ports on request.

All cables are PUR halogen-free.

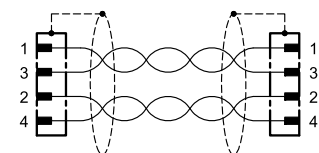
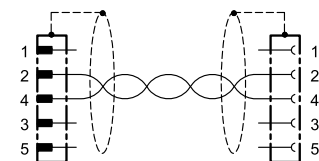
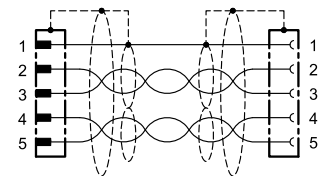
These molded cables are equipped with 'speed connect' connectors that allow a smaller overall than conventional connectors.



6.1 - Fieldbus cables X3 to X2

Fieldbus type	Cable description
CANopen® code: 3890001001	Bus system cable, CANopen®, DeviceNet™, shielded. cable length: 0.5 m Plug straight M12 code A - Socket straight M12 code A IP65 / IP67 ambient temperature: -25 ÷ 90 °C
ProfiBus DP code: 3890001002	Bus system cable, PROFIBUS (12 Mbps), shielded cable length: 0.5 m Plug straight M12 code B - Socket straight M12 code B IP65 / IP67 ambient temperature: -25 ÷ 90 °C
Ethernet: EtherCAT Ethernet/IP Profinet Powerlink code: 3890001003	Network cable, Ethernet CAT5 (100 Mbps), shielded. cable length: 0.5 m Plug straight M12 code D - plug straight M12 code D, IP67 ambient temperature: -25 ÷ 85 °C

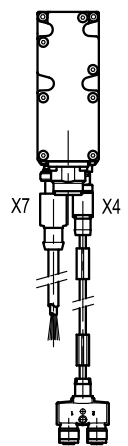
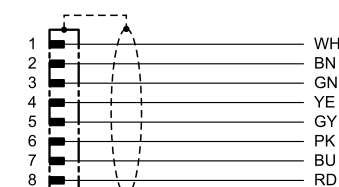
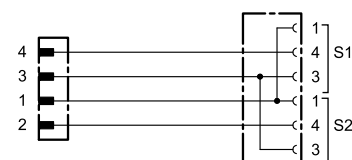
Circuit diagram



6.2 - Sensor / actuator cables

Sensor type	Cable description
Analogue (X4) code: 3890001004	Sensor/actuator cable cable length: 0.6 m Plug straight M12 code A - double socket straight M12 code A IP65 / IP67 ambient temperature: -25 ÷ 90 °C
Digital SSI / Encoder (X7) code: 3890001005	Sensor/actuator cable, shielded, cable length: 3 m Plug straight M12 code A - free cable end, unwired ambient temperature: -25 ÷ 90 °C

Circuit diagram





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