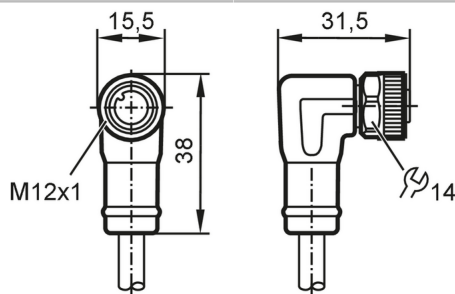


# EVC959



## Female cordset

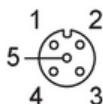
ADOAH050MSE0002C05



| Application             |                                                                              |                                                                                    |
|-------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Special feature         | Halogen-free; gold-plated contacts; screened cable; Drag chain suitability   |                                                                                    |
| Application             | CAN bus; for mobile applications                                             |                                                                                    |
| Electrical data         |                                                                              |                                                                                    |
| Operating voltage       | [V]                                                                          | 32 DC; (wires 4+5: 5 V)                                                            |
| Max. current load total | [A]                                                                          | 4; (wires 4+5: 0,05 A)                                                             |
| Operating conditions    |                                                                              |                                                                                    |
| Ambient temperature     | [°C]                                                                         | -25...80                                                                           |
| Protection              | IP 67; IP 68; IP 69K                                                         |                                                                                    |
| Mechanical data         |                                                                              |                                                                                    |
| Weight                  | [g]                                                                          | 215.45                                                                             |
| Dimensions              | [mm]                                                                         | 38 x 15.5 x 31.5                                                                   |
| Molded-body material    | TPU (urethane)                                                               |                                                                                    |
| Material nut            | brass, nickel-plated                                                         |                                                                                    |
| Sealing material        | FKM                                                                          |                                                                                    |
| Drag chain suitability  | yes                                                                          |                                                                                    |
| Drag chain suitability  | Bending radius for flexible applications                                     | min. 10 x cable diameter                                                           |
|                         | Travel speed                                                                 | max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s² |
|                         | Bending cycles                                                               | > 5 Mio.                                                                           |
|                         | Torsional strain                                                             | ± 180 °/m                                                                          |
| Remarks                 |                                                                              |                                                                                    |
| Remarks                 | The CAN bus terminating resistor (120 Ω) is integrated in the M12 connector. |                                                                                    |
| Pack quantity           | 1 pcs.                                                                       |                                                                                    |

| Electrical connection                                                                                                                                                                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Cable: 2 m, PUR, Halogen-free, lilac, Ø 8.4 mm, screened; red / black: 2 x 0.75 mm² (42 x Ø 0.15 mm ) + white / blue: 2 x 0.5 mm² (19 x Ø 0.19 mm ) + screen: 1 x 0.75 mm² (42 x Ø 0.15 mm ) |  |

| Electrical connection - Socket                                                                                                                                                     |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Connector: 1 x M12, angled; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), black; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.6...1.5 Nm |  |



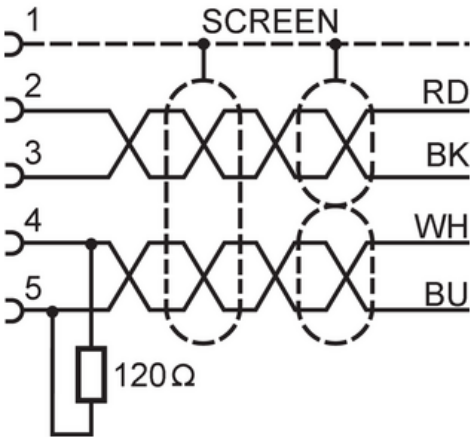
# EVC959



## Female cordset

ADOAH050MSE0002C05

### Connection



|          |               |
|----------|---------------|
|          | Core colors : |
| BK =     | black         |
| BU =     | blue          |
| RD =     | red           |
| WH =     | white         |
| screen = | screen        |