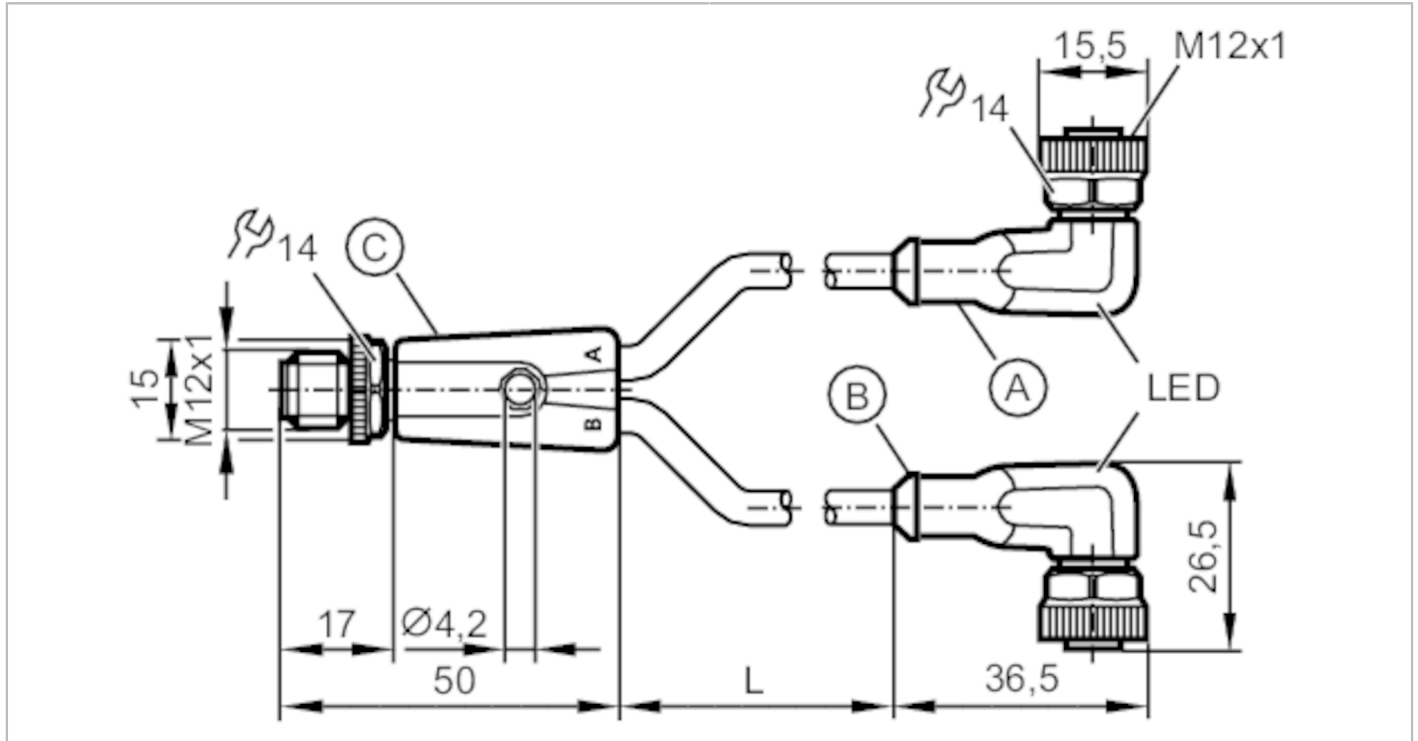


# EVC438



## Y connection cable

YDOAH032MSS0002H03STGH040MSS



## Application

|                    |     |
|--------------------|-----|
| Free from silicone | yes |
|--------------------|-----|

## Electrical data

|                         |     |            |
|-------------------------|-----|------------|
| Operating voltage       | [V] | 10...36 DC |
| Protection class        |     | II         |
| Max. current load total | [A] | 4          |

## Outputs

|                   |     |
|-------------------|-----|
| Electrical design | PNP |
|-------------------|-----|

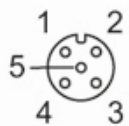
## Operating conditions

|                                      |      |                             |
|--------------------------------------|------|-----------------------------|
| Ambient temperature                  | [°C] | -25...90                    |
| Note on ambient temperature          |      | cULus: ...75                |
| Ambient temperature (moving)         | [°C] | -25...90                    |
| Note on ambient temperature (moving) |      | cULus: ...75                |
| Protection                           |      | IP 65; IP 67; IP 68; IP 69K |



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| Mechanical data                                                                                           |                                                                                    |                                                                                    |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Weight                                                                                                    | [g]                                                                                | 166.4                                                                              |
| Materials                                                                                                 | connector housing: TPU orange; socket housing: TPU black transparent; Sealing: FKM |                                                                                    |
| Material nut                                                                                              | brass / brass                                                                      |                                                                                    |
| Number of ports splitter box                                                                              | 2                                                                                  |                                                                                    |
| Drag chain suitability                                                                                    | bending radius for flexible use                                                    | 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                                                                          |
| Drag chain suitability                                                                                    | yes                                                                                |                                                                                    |
| Displays / operating elements                                                                             |                                                                                    |                                                                                    |
| Display                                                                                                   | switching status                                                                   | 1 x LED, yellow                                                                    |
|                                                                                                           | operation                                                                          | 1 x LED, green                                                                     |
| Remarks                                                                                                   |                                                                                    |                                                                                    |
| Pack quantity                                                                                             | 1 pcs.                                                                             |                                                                                    |
| Electrical connection                                                                                     |                                                                                    |                                                                                    |
| Cable: 2 m, PUR, Halogen-free, black, Ø 4.9 mm; 3 x 0.34 mm² (42 x Ø 0.1 mm )                             |                                                                                    |                                                                                    |
| Electrical connection - socket                                                                            |                                                                                    |                                                                                    |
| Connector: 2 x M12; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm |                                                                                    |                                                                                    |
| <div></div>            |                                                                                    |                                                                                    |
| Electrical connection - plug                                                                              |                                                                                    |                                                                                    |
| Connector: 2 x M12; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm |                                                                                    |                                                                                    |
| <div></div>            |                                                                                    |                                                                                    |



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### Connection

