

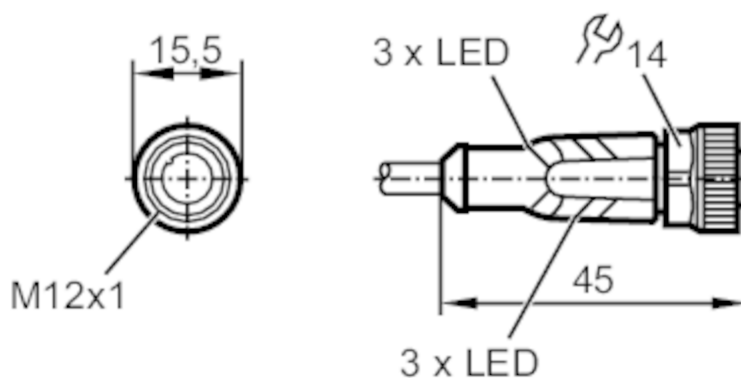
# EVC644



## Female cordset

ADOGH046MSS0002H04

Please see the technical note under "Downloads"



### Application

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| System             | Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability |
| Application        | Industrial applications; Oils and coolants                                     |
| 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: ...50 °C             |
| Ambient temperature (moving) [°C]    | -25...90                    |
| Note on ambient temperature (moving) | cULus: ...50 °C             |
| Protection                           | IP 65; IP 67; IP 68; IP 69K |

### Mechanical data

|                      |                  |
|----------------------|------------------|
| Weight [g]           | 84.2             |
| Dimensions [mm]      | 15.5 x 15.5 x 45 |
| Molded-body material | TPU (urethane)   |

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|                        |                                          |                                                                                                |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------------------|
| 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/s <sup>2</sup> |
|                        | Bending cycles                           | > 5 Mio.                                                                                       |
|                        | Torsional strain                         | ± 180 °/m                                                                                      |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | Switching status | 4 x LED, yellow |
|         | Power            | 2 x LED, green  |

### Remarks

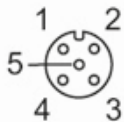
|               |                                                 |  |
|---------------|-------------------------------------------------|--|
| Notes         | Please see the technical note under "Downloads" |  |
| Pack quantity | 1 pcs.                                          |  |

### Electrical connection

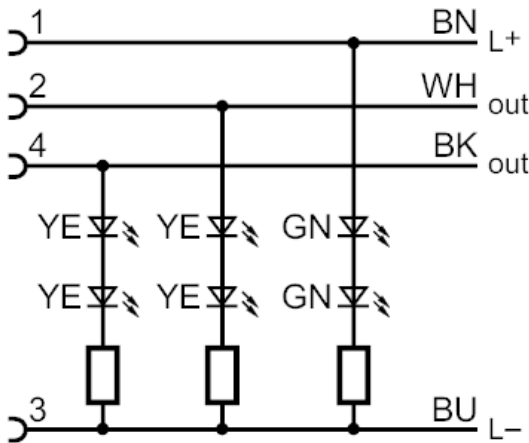
Cable: 2 m, PUR, Halogen-free, black, Ø 4.3 mm; 4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm )

### Electrical connection - Socket

Connector: 1 x M12, straight; coding: A; Moulded body: TPU (urethane), black transparent; Locking: brass, nickel-plated; sealing: FKM; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm



### Connection



BK =  
BN =  
BU =  
WH =

Core colors :  
black  
brown  
blue  
white