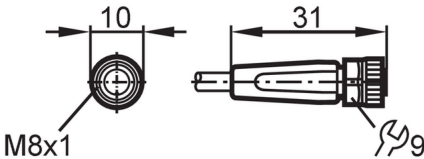


# EVCA50



## Female cordset

ADOGF040MSS0050H04



| Application                                                     |                                                                                |                                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Special feature                                                 | 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]                                                                            | < 50 AC / < 60 DC                                                                  |
| Protection class                                                |                                                                                | III                                                                                |
| Max. current load total                                         | [A]                                                                            | 3                                                                                  |
| Operating conditions                                            |                                                                                |                                                                                    |
| Ambient temperature                                             | [°C]                                                                           | -25...90                                                                           |
| Note on ambient temperature                                     |                                                                                | cULus: ...85 °C                                                                    |
| Ambient temperature (moving)                                    | [°C]                                                                           | -25...90                                                                           |
| Storage temperature                                             | [°C]                                                                           | -25...55                                                                           |
| Storage humidity                                                | [%]                                                                            | 10...100                                                                           |
| Other climatic conditions for storage according to stated class |                                                                                | 1K22/ DIN 60721-3-1                                                                |
| Protection                                                      |                                                                                | IP 65; IP 67; IP 68; IP 69K                                                        |
| Mechanical data                                                 |                                                                                |                                                                                    |
| Weight                                                          | [g]                                                                            | 1050                                                                               |
| Dimensions                                                      | [mm]                                                                           | 10 x 10 x 31                                                                       |
| 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                                                         |                                                                                |                                                                                    |
| Pack quantity                                                   | 1 pcs.                                                                         |                                                                                    |

# EVCA50



## Female cordset

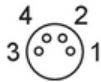
ADOGF040MSS0050H04

### Electrical connection

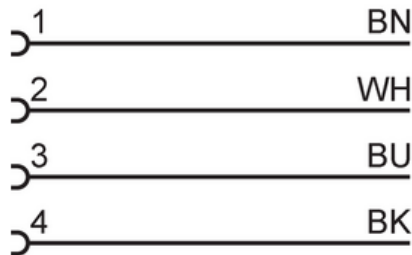
Cable: 50 m, PUR, Halogen-free, black, Ø 3.7 mm; 4 x 0.25 mm<sup>2</sup> (32 x Ø 0.1 mm )

### Electrical connection - Socket

Connector: 1 x M8, straight; coding: A; Contacts: 4, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; sealing: FKM; Tightening torque: 0.3...0.5 Nm



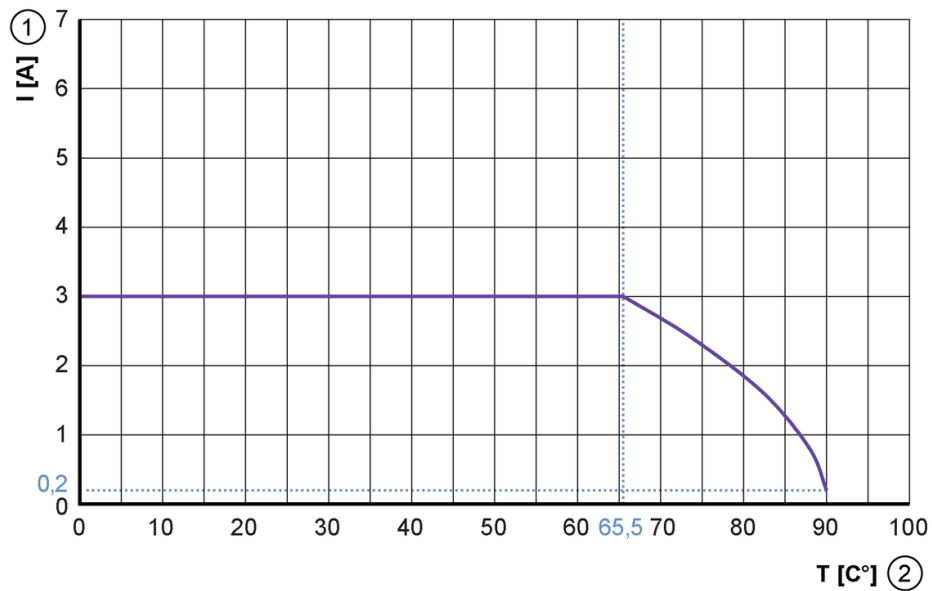
### Connection



Core colors :  
BK = black  
BN = brown  
BU = blue  
WH = white

### Diagrams and graphs

Characteristic curve for derating



- 1 Current [A]  
2 Ambient temperature [°C]