

# EVC097



## Connection cable

VDOAH043MSS0004H04STGH040MSS



### 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 |

### Tests / approvals

|              |       |
|--------------|-------|
| MTTF [years] | 20027 |
|--------------|-------|



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| Mechanical data                                                                                                     |                                                                                    |                                                                                    |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Weight                                                                                                              | [g]                                                                                | 159.2                                                                              |
| Dimensions                                                                                                          | [mm]                                                                               | 15.5 x 15.5 x 49.5                                                                 |
| Materials                                                                                                           | connector housing: TPU orange; socket housing: TPU black transparent; Sealing: FKM |                                                                                    |
| Material nut                                                                                                        | brass / brass                                                                      |                                                                                    |
| 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                                                                   | 2 x LED, yellow                                                                    |
|                                                                                                                     | operation                                                                          | 1 x LED, green                                                                     |
| Remarks                                                                                                             |                                                                                    |                                                                                    |
| Pack quantity                                                                                                       | 1 pcs.                                                                             |                                                                                    |
| Electrical connection                                                                                               |                                                                                    |                                                                                    |
| Cable: 4 m, PUR, Halogen-free, black, Ø 4.9 mm; 4 x 0.34 mm² (42 x Ø 0.1 mm )                                       |                                                                                    |                                                                                    |
| Electrical connection - socket                                                                                      |                                                                                    |                                                                                    |
| Connector: 1 x M12, angled; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm   |                                                                                    |                                                                                    |
|                                  |                                                                                    |                                                                                    |
| Electrical connection - plug                                                                                        |                                                                                    |                                                                                    |
| Connector: 1 x M12, straight; Locking: brass, nickel-plated; Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm |                                                                                    |                                                                                    |
|                                  |                                                                                    |                                                                                    |



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