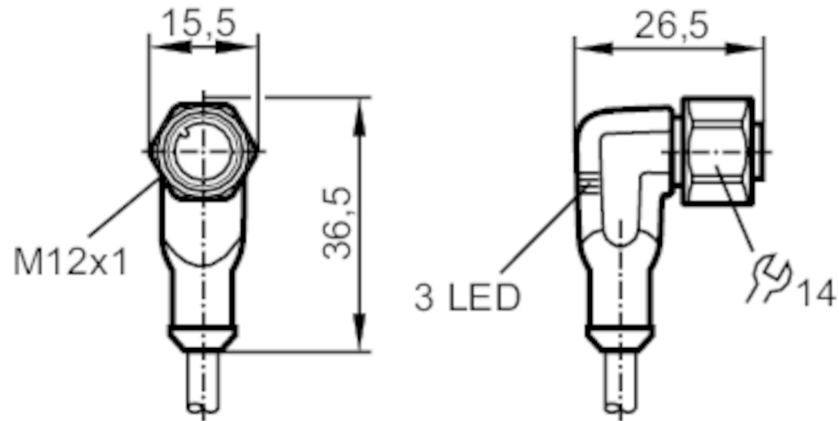


## Connecting cable with socket

ADOAH043VAS0010H04



## Application

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| Special feature    | Free from silicone; Halogen-free; Gold-plated contacts; Drag chain suitability |
| Application        | applications in particularly harsh environments                                |
| 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]             | -40...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

|                      |                  |                                                                                                          |
|----------------------|------------------|----------------------------------------------------------------------------------------------------------|
| Vibration resistance | EN 60068-2-6 Fc  | 20 g (10...3000 Hz) / -20 °C / 50 °C                                                                     |
|                      |                  | 50 sweep cycles, 1 octave per minute, in 3 axes                                                          |
| Shock resistance     | EN 60068-2-27 Ea | 100 g 11 ms half sine; 6 shocks each in every direction along the three coordinate axes / -40 °C / 85 °C |



## Connecting cable with socket

ADOAH043VAS0010H04

|                             |                  |                                                                                          |
|-----------------------------|------------------|------------------------------------------------------------------------------------------|
| Continuous shock resistance | EN 60068-2-29 Eb | 40 g 6 ms; 4000 shocks each in every direction of the 3 coordinate axes / -20 °C / 50 °C |
| Fast temperature change     | EN 60068-2-14 Na | TA = -40°C; TB = 85°C; t1 = 30 min; t2 = < 10 s 50 cycles                                |
| Salt spray test             | EN 60068-2-52 Kb | severity level 5 (4 test cycles)                                                         |
| MTTF [years]                | 20027            |                                                                                          |

## Mechanical data

|                        |                                              |                                                                                    |
|------------------------|----------------------------------------------|------------------------------------------------------------------------------------|
| Weight [g]             | 349.8                                        |                                                                                    |
| Dimensions [mm]        | 26.5 x 15.5 x 36.5                           |                                                                                    |
| Materials              | housing: TPU black transparent; Sealing: FKM |                                                                                    |
| Material nut           | stainless steel (316L/1.4404)                |                                                                                    |
| Drag chain suitability | yes                                          |                                                                                    |
| 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                                                                          |

## Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 2 x LED, yellow |
|         | operation        | 1 x LED, green  |

## Remarks

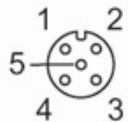
|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

## Electrical connection

Cable: 10 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; coding: A; Locking: stainless steel (316L/1.4404); Contacts: gold-plated; Tightening torque: 0.6...1.5 Nm

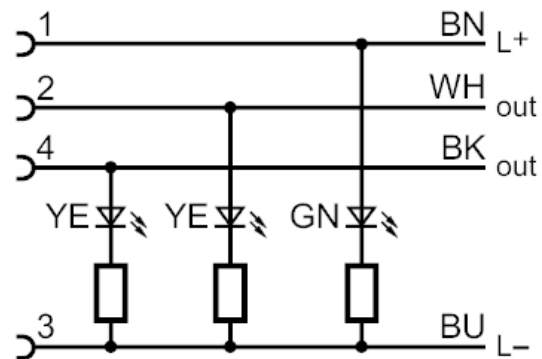




## Connecting cable with socket

ADOAH043VAS0010H04

### Connection



Core colours :

|      |       |
|------|-------|
| BK = | black |
| BN = | brown |
| BU = | blue  |
| WH = | white |