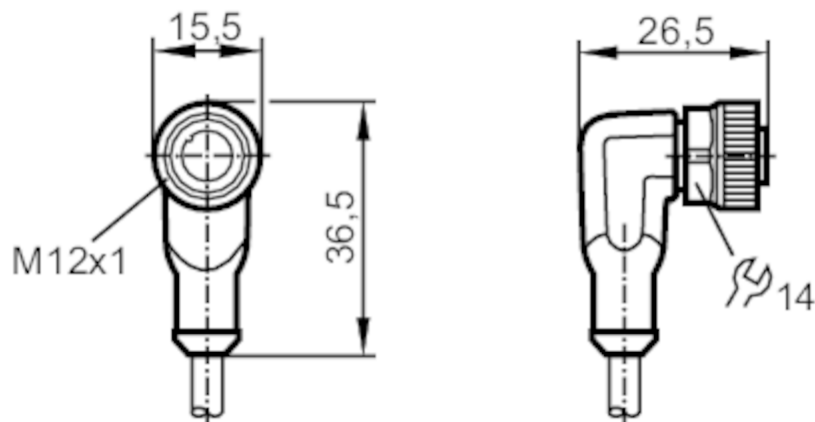


## PNP / NPN inverter module

Converter PNP-NPN SIGNAL PIN 2

Please see the technical note under "Downloads"



## Application

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| System                | Halogen-free; gold-plated contacts; Drag chain suitability |
| Compatible with paint | yes                                                        |

## Electrical data

|                             |     |         |
|-----------------------------|-----|---------|
| Operating voltage tolerance | [%] | 10      |
| Operating voltage           | [V] | < 24 DC |
| Protection class            |     | II      |
| Max. current load total     | [A] | 0.1     |

## Outputs

|                                       |     |   |
|---------------------------------------|-----|---|
| Max. voltage drop switching output DC | [V] | 2 |
|---------------------------------------|-----|---|

## Operating conditions

|                              |      |                             |
|------------------------------|------|-----------------------------|
| Ambient temperature          | [°C] | -25...60                    |
| Ambient temperature (moving) | [°C] | -25...60                    |
| Protection                   |      | IP 65; IP 67; IP 68; IP 69K |

## Mechanical data

|                      |      |                                             |
|----------------------|------|---------------------------------------------|
| Weight               | [g]  | 156                                         |
| Dimensions           | [mm] | 26.5 x 15.5 x 36.5                          |
| Material             |      | housing: TPU (urethane) black; sealing: FKM |
| Molded-body material |      | TPU (urethane)                              |
| Material nut         |      | brass, nickel-plated                        |



PNP / NPN inverter module

Converter PNP-NPN SIGNAL PIN 2

|                        |                                          |                                                                                    |
|------------------------|------------------------------------------|------------------------------------------------------------------------------------|
| 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

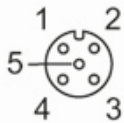
|               |                                                             |
|---------------|-------------------------------------------------------------|
| Remarks       | for sensors to IEC 60947-5-2 with normally closed operation |
| Notes         | Please see the technical note under "Downloads"             |
| Pack quantity | 1 pcs.                                                      |

Electrical connection

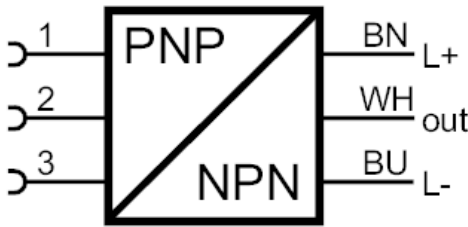
Cable: 5 m, PUR, Halogen-free, black, Ø 4.3 mm; 4 x 0.34 mm² (42 x Ø 0.1 mm )

Electrical connection - Socket

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



Connection



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