



**Part no.: 50130594**  
**MD 7XXP-11-48IO3-K030**  
**Distribution box**



Figure can vary

## Contents

- Technical data
- Dimensioned drawings
- Circuit diagrams
- Operation and display
- Accessories

## Technical data

| <b>Electrical data</b>                         |   |
|--|---|
| Switching signal                               | PNP   |
| <b>Performance data</b>                        |   |
| Total current                                  | 10 A  |
| <b>Connection</b>                              |   |
| <b>Master connection</b>                       |   |
| Type of connection                             | Cable   |
| Function                                       | Connection to the control   |
| Cable length                                   | 3,000 mm  |
| <b>Cable properties</b>                        |   |
| Number of conductors                           | 6 Piece(s)  |
| Wire cross section                             | 2 x 0.75 mm <sup>2</sup><br>4 x 0.34 mm <sup>2</sup>                                  |
| AWG  | 22  |
| Sheathing color                                | Gray  |
| Shielded                                       | No  |
| Silicone-free                                  | No  |
| Sheathing material                             | PUR / PVC   |
| Wire insulation                                | PVC   |
| Suitability for drag chains                    | Yes   |
| Traverse rate                                  | Max. 2m/s with horiz. traverse path of 5m and max. acceleration of 10m/s <sup>2</sup> |
| <b>Distribution box connections</b>            |   |
| Number of connections                          | 4 Piece(s)  |
| Thread size                                    | M8  |
| No. of pins                                    | 3 -pin  |
| Encoding                                       | A-coded   |
| Type   | Female  |
| Material                                       | Plastic   |
| Material of O-ring seal                        | TPU   |
| Material of contacts                           | Gold-plated   |
| Operating current per contact                  | 2 A   |
| <b>Mechanical data</b>                         |   |
| Design   | Cubic   |
| Dimension (W x H x L)                          | 30 mm x 35 mm x 96 mm   |
| Housing material                               | Plastic   |
| Net weight                                     | 348 g   |
| Bending cycles                                 | 2,000,000 Piece(s)  |
| <b>Operation and display</b>                   |   |
| Type of display                                | LED   |
| <b>Environmental data</b>                      |   |
| Ambient temperature, operation, flexible use   | -5 ... 80 °C  |
| Ambient temperature, operation, stationary use | -30 ... 80 °C   |

### Certifications

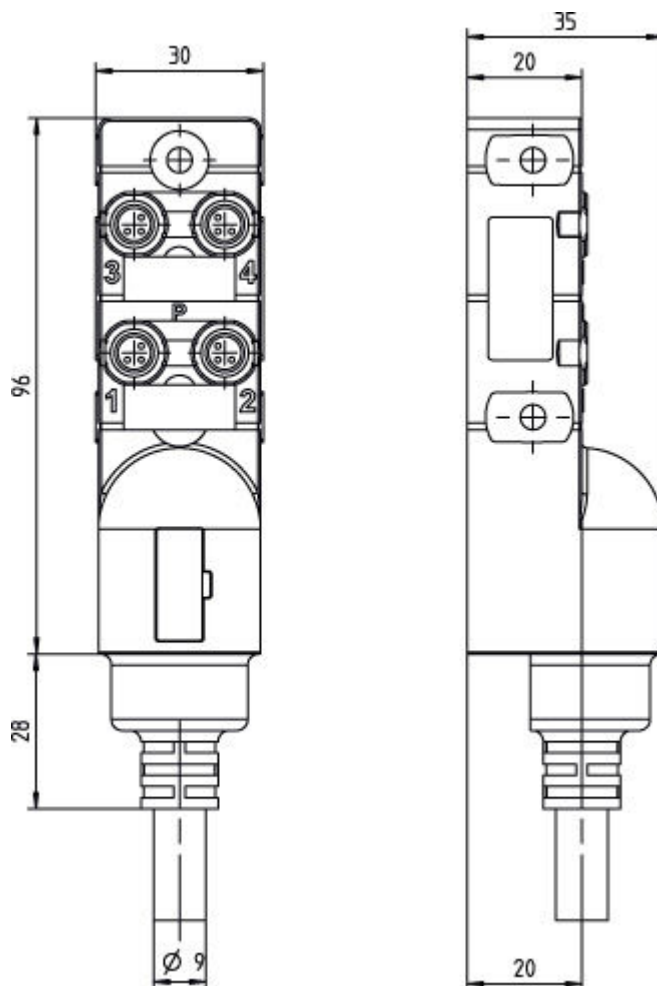
|                      |                |
|----------------------|----------------|
| Degree of protection | IP 65<br>IP 67 |
| Certifications       | c UL US        |

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85444290 |
| eCl@ss 8.0            | 27279219 |
| eCl@ss 9.0            | 27440108 |
| ETIM 5.0              | EC002585 |
| ETIM 6.0              | EC002585 |

## Dimensioned drawings

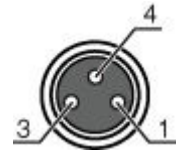
All dimensions in millimeters



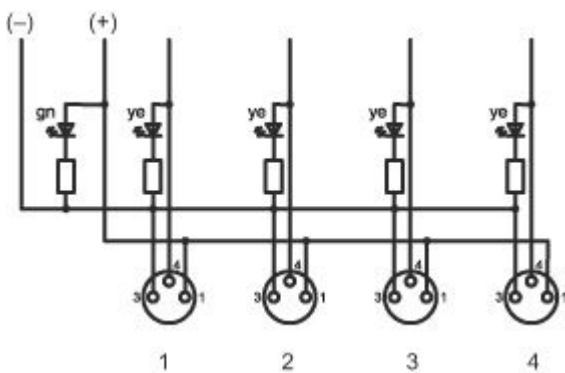
| Pin | Pin assignment         | Conductor color |
|-----|------------------------|-----------------|
| 1   | Socket 1-4 / contact 1 | Brown           |
| 2   | Socket 1-4 / contact 3 | Blue            |
| 3   | Socket 1 / contact 4   | White           |
| 4   | Socket 2 / contact 4   | Green           |

| Pin | Pin assignment       | Conductor color |
|-----|----------------------|-----------------|
| 5   | Socket 3 / contact 4 | Yellow          |
| 6   | Socket 4 / contact 4 | Gray            |

| Pin | Pin assignment | Conductor color |
|-----|----------------|-----------------|
| 1   | +              | Brown           |
| 3   | -              | Blue            |
| 4   | S1             | See table above |



## Circuit diagrams




## Operation and display

### LEDs

| LED | Display                  | Meaning                   |
|-----|--------------------------|---------------------------|
| 1   | Green, continuous light  | Operating voltage applied |
| 2   | Yellow, continuous light | Signal 1                  |
| 3   | White, continuous light  | Signal 2                  |


## Accessories

### Connection technology - Interconnection cables

|   | Part no. | Designation              | Article | Description  |
|---|----------|--------------------------|---------|--|
|  | 50134904 | KDS U-M8-4A-M8-3A-P1-000 | Adapter | Connection 1: Connector, M8, Axial, Female, 4 -pin<br>Connection 2: Connector, M8, Axial, Male, 3 -pin |

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## General

|   | Part no. | Designation | Article        | Description  |
|---|----------|-------------|----------------|--|
|  | 50134479 | CAP M8K-Set | Connection cap | Type: Cap for free sockets<br>Thread size: M8<br>Material: Plastic |