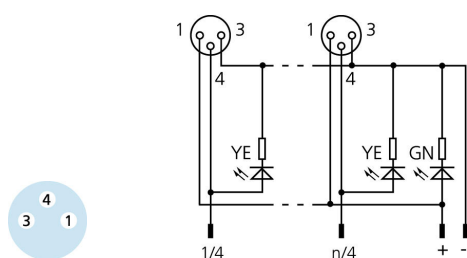
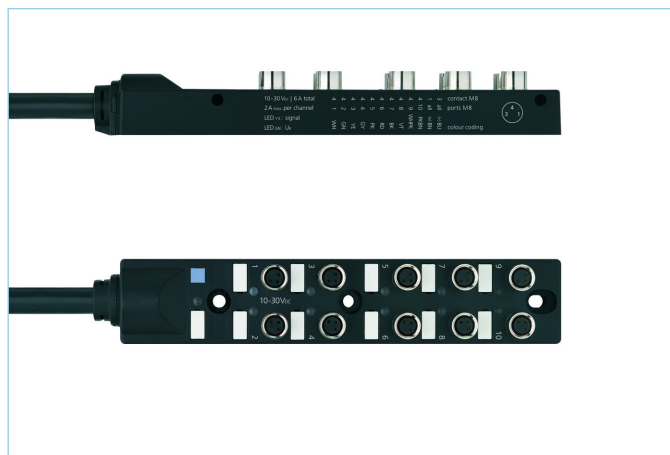
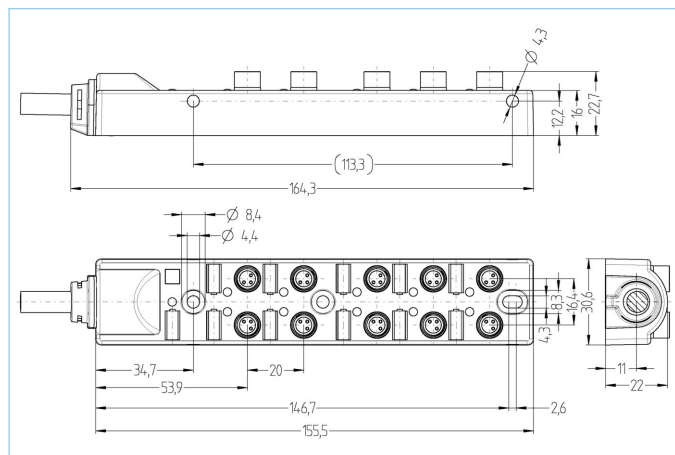


## I/O-junction passive, M8, Cable



### Product data

|                    |                     |
|--------------------|---------------------|
| Item description   | 10IOM8-3P2C-15/S370 |
| Item-No.           | 8061814             |
| Length             | 15m                 |
| Customs tariff-No. | 85444290            |
| Step-File          | 10IOM8-3P2C.stp     |
| EAN                | 4047106148515       |

### Technical data

|                             |                          |
|-----------------------------|--------------------------|
| I/O-junction                | 10-way, with cable       |
| I/O-slot                    | female, M8               |
| Number of pins              | 3                        |
| Rated voltage               | 30V                      |
| Current load (at 40°C)      | 2A                       |
| Total current load          | 6A                       |
| Insulation resistance       | $\geq 10^8 \Omega$       |
| Resistance                  | $\leq 5 m\Omega$         |
| Ambient temperature product | -30°C...+90°C            |
| Number of LEDs              | 11                       |
| Number of I/O-slots         | 10                       |
| Circuit logic               | pnP                      |
| Signal status-indicator     | LED YE                   |
| Operating voltage-indicator | LED GN                   |
| Contact material            | Metal, CuZn, gold-plated |
| Contact-carrier material    | Plastic, PA, BK          |
| Sealing (female) material   | FPM/FKM                  |
| Housing material            | Plastic, PA, BK          |
| Connecting type             | Fixed cable connection   |

|                                |                    |
|--------------------------------|--------------------|
| Thread insert material         | Metal, CuZn        |
| Standards                      | IEC 61076-2-104    |
| Degree of protection (mounted) | IP65, IP67         |
| Mechanical life-cycle          | >100 mating cycles |
| Degree of pollution            | 3                  |

|              |                      |
|--------------|----------------------|
| <b>Cable</b> | <b>PUR, UL, S370</b> |
|--------------|----------------------|

Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements.

|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| Outer diameter of jacket     | 7,6 mm                                                                       |
| Cable-jacket material        | PUR                                                                          |
| Jacket color                 | BK, similar RAL9005                                                          |
| Wire cross-section           | 10 x 0.25 mm <sup>2</sup> + 2 x 0.75 mm <sup>2</sup>                         |
| Wire insulation material     | PP                                                                           |
| Wire colors                  | WHPK, BK, BU, PK, WH, YE, GN, GY, PKBN, RD, BN, VT                           |
| Bending radius (repeated)    | min. 10 x Ø-cable                                                            |
| Temperature range (repeated) | -25°C...+90°C                                                                |
| Temperature range (fixed)    | -40°C...+90°C                                                                |
| Drag chain-application       | 5 Mio. cycles                                                                |
| Halogen-free                 | Yes                                                                          |
| Special features             | flame retardant, LABS free, RoHs compliant, drag chain-adapted, halogen free |

| Allocation chart |    |    |    |    |    |    |    |    |      |      |         |         |
|------------------|----|----|----|----|----|----|----|----|------|------|---------|---------|
| I/O              | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9    | 10   | all (+) | all (-) |
| Pin              | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4    | 4    | 1       | 3       |
| Cable            | WH | GN | YE | GY | PK | RD | BK | VT | WHPK | BNPK | BN      | BU      |

| Classification |          |
|----------------|----------|
| eCl@ss 6.0     | 27279219 |
| eCl@ss 7.0     | 27279219 |
| eCl@ss 8.0     | 27279219 |
| eCl@ss 9.0     | 27440108 |
| ETIM 5.0       | EC002585 |
| ETIM 6.0       | EC002585 |

| Accessories                                                                                                                                                                                                                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Labels, I/O-junction passive, I/O-junction logic<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8011349/Labels-M8-I/O-junctions">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8011349/Labels-M8-I/O-junctions</a>                                                                |  |
| Screw plug, M8<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8015075/Screw-plug-M8-female-black">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8015075/Screw-plug-M8-female-black</a>                                                                                            |  |
| Accessories set, I/O-junction passive, I/O-junction logic, M8<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8087214/Accessory-set-M8-I/O-junctions-labels-screw-plug">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8087214/Accessory-set-M8-I/O-junctions-labels-screw-plug</a> |  |