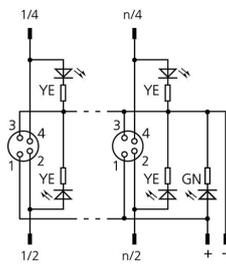
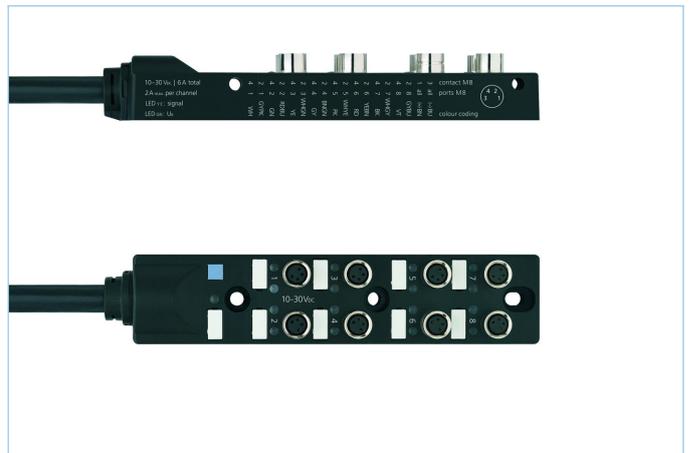
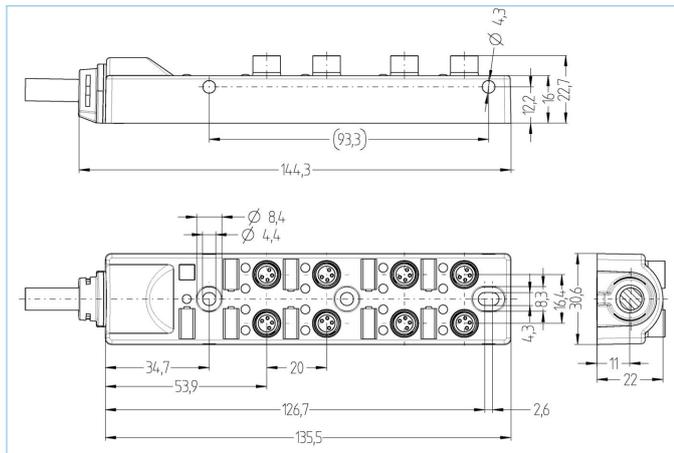


I/O-junction passive, M8, Cable



Product data

| | |
|--------------------|-------------------|
| Item description | 8/OM8-4P3C-5/S370 |
| Item-No. | 8061804 |
| Length | 5m |
| Customs tariff-No. | 85444290 |
| Step-File | 8IOM8-4P3C.stp |
| EAN | 4047106148454 |

Technical data

| | |
|-----------------------------|--------------------------|
| I/O-junction | 8-way, with cable |
| I/O-slot | female, M8 |
| Number of pins | 4 |
| Rated voltage | 60V |
| Current load (at 40°C) | 2A |
| Total current load | 6A |
| Insulation resistance | $\geq 10^9 \Omega$ |
| Resistance | $\leq 5 m\Omega$ |
| Ambient temperature product | -30°C...+90°C |
| Number of LEDs | 17 |
| Number of I/O-slots | 8 |
| 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 | 3/2 |

| | |
|--------------|----------------------|
| Cable | PUR, UL, S370 |
|--------------|----------------------|

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 | 9,1 mm |
| Cable-jacket material | PUR |
| Jacket color | BK, similar RAL9005 |
| Wire cross-section | 16 x 0.25 mm ² + 2 x 0.75 mm ² |
| Wire insulation material | PP |
| Wire colors | RD, YE, BU, WHGN, PK, WH, YE, WHYE, GYPK, BK, WHGY, GYBN, GN, RDBU, VT, BNGN, GY, BN |
| 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 | | all (+) | all (-) |
|-------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|----|---------|---------|
| Pin | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 1 | 3 |
| Cable | GYPK | WH | RDBU | GN | WHGN | YE | BNGN | GY | WHYE | PK | YEBN | RD | WHGY | BK | GYBN | VT | 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

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8011349/Labels-M8-I/O-junctions>

Screw plug, M8

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8015075/Screw-plug-M8-female-black>

Accessories set, I/O-junction passive, I/O-junction logic, M8

<https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8087214/Accessory-set-M8-I/O-junctions-labels-screw-plug>