

**Y-Distributor M12 male / M8 female 0° A-cod.**

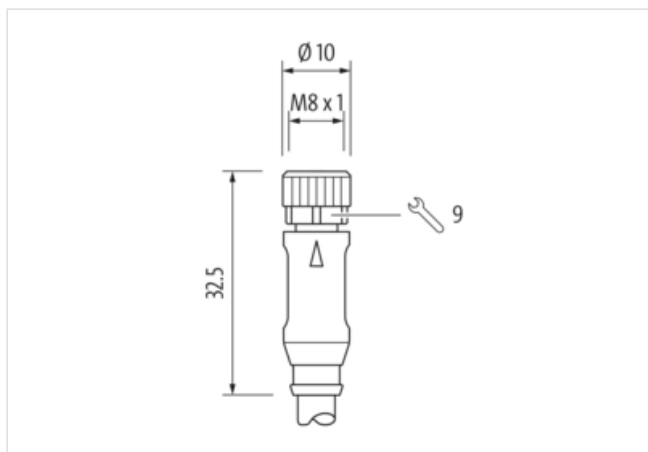
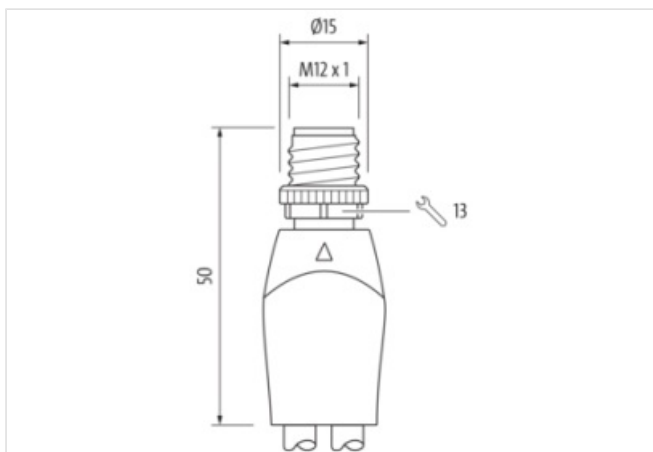
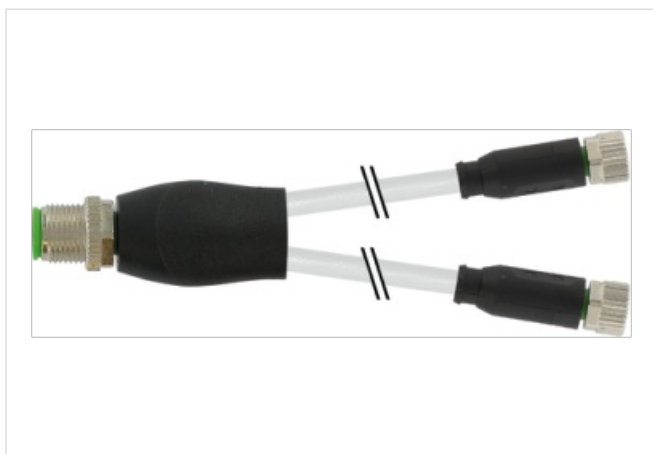
PUR 3x0.25 gy UL/CSA+drag ch. 0.6m

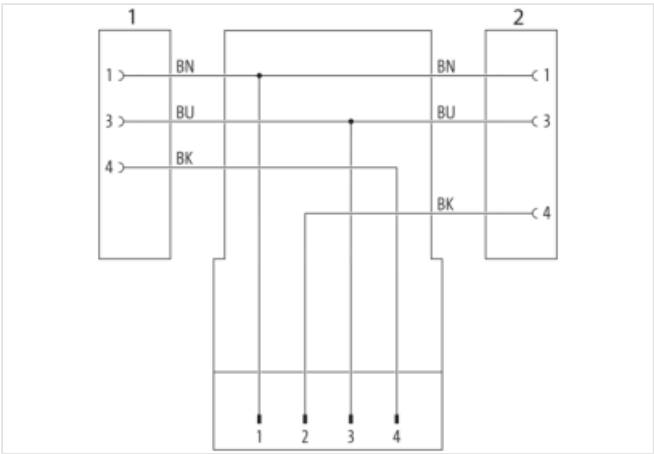
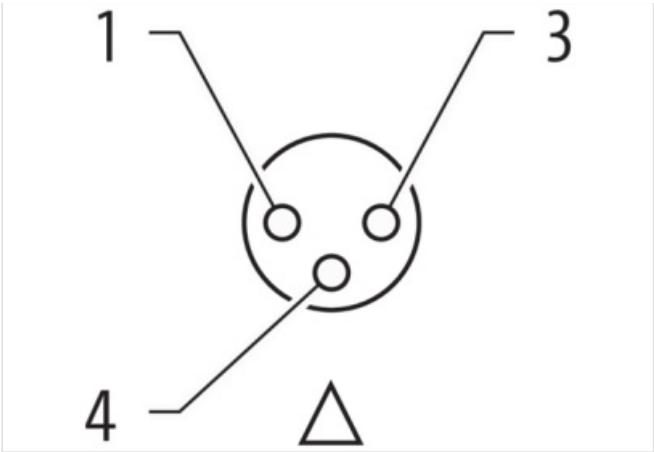
Art.No.: 7000-40821-2300060

Weight: 0.054

Country of origin: DE

Model designation: MSAYTL0-FR230\_0.6-FR230\_0.6

**Link to Product****Illustration**



Product may differ from Image



| Side 1                                    |                   |
|---|-------------------|
| Family construction form                  | M8                |
| No. of poles                              | 3                 |
| Coding                                    | A                 |
| Gender                                    | female            |
| Mounting method                           | inserted, screwed |
| Thread                                    | M8 x 1            |
| Tightening torque                         | 0.4 Nm            |
| Width across flats                        | SW9               |
| Cable outlet                              | straight          |
| suitable for corrugated tube (internal Ø) | 6.5 mm            |
| Material                                  | PUR               |
| Material contact                          | Copper alloy      |
| Coating contact                           | gold plated       |
| Degree of protection (EN IEC 60529)       | IP67, IP66K, IP65 |
| Side 2                                    |                   |
| Family construction form                  | M8                |
| No. of poles                              | 3                 |

|   |                   |
|---|-------------------|
| Coding                                    | A                 |
| Gender                                    | female            |
| Mounting method                           | inserted, screwed |
| Thread                                    | M8 x 1            |
| Tightening torque                         | 0.4 Nm            |
| Width across flats                        | SW9               |
| Cable outlet                              | straight          |
| suitable for corrugated tube (internal Ø) | 6.5 mm            |
| Material                                  | PUR               |
| Material contact                          | Copper alloy      |
| Coating contact                           | gold plated       |
| Degree of protection (EN IEC 60529)       | IP67, IP66K, IP65 |

**Side 3**

|                                     |                   |
|-------------------------------------|-------------------|
| Family construction form            | M12               |
| No. of poles                        | 4                 |
| Coding                              | A                 |
| Gender                              | male              |
| Mounting method                     | inserted, screwed |
| Thread                              | M12 x 1           |
| Tightening torque                   | 0.6 Nm            |
| Width across flats                  | SW13              |
| Cable outlet                        | straight          |
| Material                            | PUR               |
| Material contact                    | Copper alloy      |
| Coating contact                     | gold plated       |
| Degree of protection (EN IEC 60529) | IP67, IP66K, IP65 |

**Commercial data**

|               |   |
|---------------|---|
| URL Webshop   | <a href="https://shop.murrelektronik.com/7000-40821-2300060">https://shop.murrelektronik.com/7000-40821-2300060</a> |
| GTIN          | 4048879154536   |
| ECLASS-6.0    | 27279218  |
| ECLASS-6.1    | 27279218  |
| ECLASS-7.0    | 27279218  |
| ECLASS-7.1    | 27279218  |
| ECLASS-8.0    | 27279218  |
| ECLASS-8.1    | 27279218  |
| ECLASS-9.0    | 27060313  |
| ECLASS-9.1    | 27060313  |
| ECLASS-10.0.1 | 27060313  |
| ECLASS-10.1   | 27060313  |
| ECLASS-11.0   | 27060313  |
| ECLASS-11.1   | 27060313  |
| ECLASS-12.0   | 27060313  |
| ECLASS-13.0   | 27060313  |
| ECLASS-14.0   | 27060313  |
| ETIM-5.0      | EC001855  |
| ETIM-6.0      | EC001855  |
| ETIM-7.0      | EC001855  |
| ETIM-8.0      | EC001855  |
| EAN           | 4048879154536   |

**Electrical data | Supply**

|                           |      |
|---------------------------|------|
| Operating voltage AC max. | 50 V |
| Operating voltage DC max. | 60 V |

|   |   |
|---|---|
| Current operating per contact max.              | 4 A   |
| Operating voltage AC (UL-listed)                | 30 V  |
| Operating voltage DC (UL-listed)                | 30 V  |
| <b>Diagnostics</b>                              |   |
| Status indication LED                           | no  |
| <b>Device protection   Electrical</b>           |   |
| Additional condition protection degree          | inserted, screwed   |
| Pollution Degree                                | 3   |
| Rated surge voltage                             | 1.5 kV  |
| Material group (IEC 60664-1)                    | I   |
| <b>Mechanical data   Material data</b>          |   |
| Locking material                                | Zinc die-casting  |
| Coating locking                                 | Nickeled  |
| Material gasket                                 | FKM   |
| <b>Mechanical data   Mounting data</b>          |   |
| Mounting method                                 | inserted, screwed, Shaking protection   |
| <b>Environmental characteristics   Climatic</b> |   |
| Operating temperature min.                      | -30 °C  |
| Operating temperature max.                      | 85 °C   |
| Additional condition temperature range          | depending on cable quality  |
| <b>Important installation notes</b>             |   |
| Note on bending radius                          | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Note on strain relief                           | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |
| <b>Conformity</b>                               |   |
| Product standard                                | DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)   |
| <b>Installation   Cable</b>                     |   |
| Cable identification                            | 230   |
| Cable Type                                      | 3   |
| Amount stranding                                | 1   |
| Stranding                                       | Wires   |
| Wire arrangement                                | brown, black, blue  |
| Cable weight                                    | 26.4 g/m  |
| Material wire insulation                        | PP  |
| Amount wires                                    | 3   |
| Outer diameter insulation                       | 1.25 mm   |
| Outer diameter tolerance core insulation        | ± 0.05 mm   |
| Shore hardness wire insulation                  | 70  |
| Ingredient freeness wire insulation             | CFC-free, cadmium-free, silicone-free, halogen-free, lead-free  |
| Amount strands (wire)                           | 32  |
| Diameter of single wires                        | 0.1 mm  |
| Conductor crosssection (wire)                   | 0.25 mm²  |
| Material conductor wire                         | Stranded copper wire, bare  |
| Conductor type (wire)                           | strand class 6  |
| Outer-diameter (jacket)                         | 4.1 mm  |
| Tolerance outer diameter (sheath)               | ± 5 %   |
| Material jacket                                 | PUR   |
| Shore hardness jacket                           | 90  |
| Freedom from ingredients (jacket)               | CFC-free, cadmium-free, silicone-free, halogen-free, lead-free  |
| Material property (jacket)                      | matte, good machinability, abrasion-resistant, low adhesion   |
| Conductor resistance (wire)                     | 79 Ω/km @ 20 °C   |

|   |   |
|---|---|
| Nominal voltage AC max.                 | 300 V   |
| Withstand voltage (wire - wire)         | 2.5 kV @ 60 s   |
| Withstand voltage (wire - jacket)       | 2.5 kV @ 60 s   |
| Current load capacity (standard)        | to DIN VDE 0298-4   |
| Current load capacity min. wire         | 4.5 A   |
| Min. operating temperature (static)     | -40 °C  |
| Max. operating temperature (fixed)      | 80 °C / 90 °C @ 10000 h Operation   |
| Operating temperature min. (dynamic)    | -25 °C  |
| Operating temperature max. (dynamic)    | 80 °C / 90 °C @ 10000 h Operation   |
| Operating temperature min. (drag chain) | -25 °C  |
| Operating temperature max. (drag chain) | 80 °C / 90 °C @ 10000 h Operation   |
| Flame resistance                        | UL 1581 § 1090, CSA FT2, IEC 60332-2-2                                      |
| Oil resistance                          | IEC 60811-404   |
| Chemical resistance                     | good  |
| Other resistances                       | good resistance to gasoline, resistant to hydrolysis, resistant to microbes |
| Bending radius (fixed)                  | 5 × Outer diameter  |
| Bending radius (dynamic)                | 10 × Outer diameter   |
| No. of bending cycles (C-track)         | 10 Mio. @ 25 °C   |
| Traversing distance (C-track)           | 10 m @ 25 °C   horizontal   |
| Travel speed (C-track)                  | 3 m/s @ 25 °C   |
| Acceleration (C-track)                  | 10 m/s² @ 25 °C   |
| No. of torsion cycles                   | 2 Mio.  |
| Torsion stress                          | 180 °/m   |
| Torsion speed                           | 35 cycles/min   |