

**M12 male 90° A-cod. / MSUD valve plug A-18mm**

PUR 5x0.34 ye UL/CSA+drag ch. 1.5m

**MSUD**

Form A (18 mm) – M12, male 90°

24 V DC  $\pm 25\%$ 

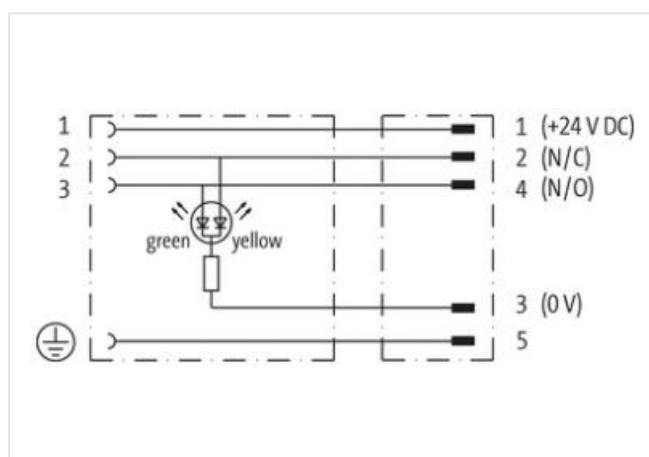
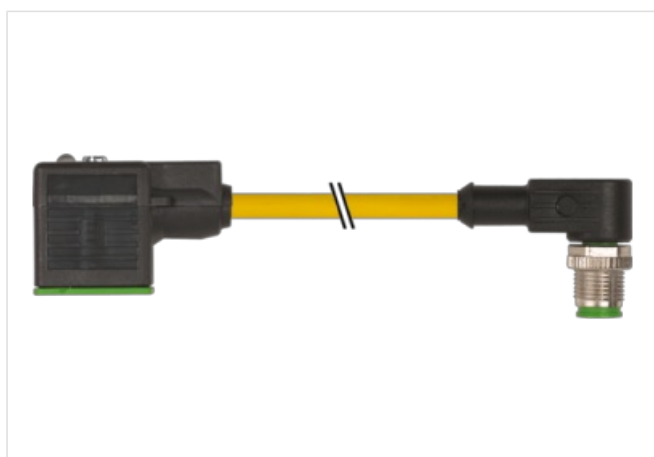
LED (yellow/green)

for pressure switches

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

[Linkki tuotteeseen](#)**Kuvat**



Tuote voi erota kuvassa olevasta



|                                     |               |
|-------------------------------------|---------------|
| Cable length                        | 1,5 m         |
| Side 1                              |               |
| Tightening torque                   | 0,4 Nm        |
| Family construction form            | MSUD          |
| Thread                              | M3            |
| Degree of protection (EN IEC 60529) | IP66K, IP67   |
| Side 2                              |               |
| Tightening torque                   | 0,6 Nm        |
| Family construction form            | M12           |
| Thread                              | M12 x 1       |
| Degree of protection (EN IEC 60529) | IP66K, IP67   |
| Kaupalliset tiedot                  |               |
| ECLASS-6.0                          | 27279218      |
| ECLASS-6.1                          | 27279218      |
| ECLASS-7.0                          | 27279218      |
| ECLASS-8.0                          | 27279218      |
| ECLASS-9.0                          | 27060312      |
| ECLASS-10.1                         | 27060312      |
| ECLASS-11.1                         | 27060312      |
| ECLASS-12.0                         | 27060312      |
| ETIM-5.0                            | EC001855      |
| GTIN                                | 4048879416825 |
| Pakkauskoko                         | 1             |
| Tullinumero                         | 85444290      |
| Electrical data   Supply            |               |
| Operating voltage DC                | 24 V          |
| Operating voltage DC min.           | 18 V          |
| Operating voltage DC max.           | 30 V          |
| Current operating per contact max.  | 4 A           |
| Current consumption max.            | 12 mA         |
| Device protection   Electrical      |               |

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
|----------------------------------------|-------------------|

|                     |        |
|---------------------|--------|
| Rated surge voltage | 0,8 kV |
|---------------------|--------|

#### Mechanical data | Material data

|               |       |
|---------------|-------|
| Color housing | black |
|---------------|-------|

|                  |         |
|------------------|---------|
| Material housing | Plastic |
|------------------|---------|

#### Mechanical data | Mounting data

|                 |                   |
|-----------------|-------------------|
| Mounting method | inserted, screwed |
|-----------------|-------------------|

#### Environmental characteristics | Climatic

|                            |        |
|----------------------------|--------|
| Operating temperature min. | -25 °C |
|----------------------------|--------|

|                            |       |
|----------------------------|-------|
| Operating temperature max. | 85 °C |
|----------------------------|-------|

|                                        |                            |
|----------------------------------------|----------------------------|
| Additional condition temperature range | depending on cable quality |
|----------------------------------------|----------------------------|

#### Installation | Cable

|                      |     |
|----------------------|-----|
| Cable identification | 035 |
|----------------------|-----|

|            |   |
|------------|---|
| Cable Type | 3 |
|------------|---|

|              |        |
|--------------|--------|
| Jacket Color | yellow |
|--------------|--------|

|                     |       |
|---------------------|-------|
| Type of Certificate | cURus |
|---------------------|-------|

|                  |   |
|------------------|---|
| Amount stranding | 1 |
|------------------|---|

|           |                                    |
|-----------|------------------------------------|
| Stranding | 5 wires around Core filler twisted |
|-----------|------------------------------------|

|        |     |
|--------|-----|
| Filler | yes |
|--------|-----|

|                  |                                         |
|------------------|-----------------------------------------|
| wire arrangement | brown, black, blue, white, green-yellow |
|------------------|-----------------------------------------|

|                                 |                 |
|---------------------------------|-----------------|
| No. of bending cycles (C-track) | 10 Mio. @ 25 °C |
|---------------------------------|-----------------|

|              |          |
|--------------|----------|
| Cable weight | 41,8 g/m |
|--------------|----------|

|                 |     |
|-----------------|-----|
| Material jacket | PUR |
|-----------------|-----|

|                       |                |
|-----------------------|----------------|
| Shore hardness jacket | 90 ± 5 Shore A |
|-----------------------|----------------|

|                                   |                                                                |
|-----------------------------------|----------------------------------------------------------------|
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
|-----------------------------------|----------------------------------------------------------------|

|                         |        |
|-------------------------|--------|
| Outer-diameter (jacket) | 4,8 mm |
|-------------------------|--------|

|                                   |       |
|-----------------------------------|-------|
| Tolerance outer diameter (sheath) | ± 5 % |
|-----------------------------------|-------|

|                          |    |
|--------------------------|----|
| Material wire insulation | PP |
|--------------------------|----|

|              |   |
|--------------|---|
| Amount wires | 5 |
|--------------|---|

|                           |         |
|---------------------------|---------|
| Outer diameter insulation | 1,25 mm |
|---------------------------|---------|

|                                          |       |
|------------------------------------------|-------|
| Outer diameter tolerance core insulation | ± 5 % |
|------------------------------------------|-------|

|                                |                |
|--------------------------------|----------------|
| Shore hardness wire insulation | 70 ± 5 Shore D |
|--------------------------------|----------------|

|                                     |                                                                |
|-------------------------------------|----------------------------------------------------------------|
| Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
|-------------------------------------|----------------------------------------------------------------|

|                       |    |
|-----------------------|----|
| Amount strands (wire) | 42 |
|-----------------------|----|

|                          |        |
|--------------------------|--------|
| Diameter of single wires | 0,1 mm |
|--------------------------|--------|

|                               |          |
|-------------------------------|----------|
| Conductor crosssection (wire) | 0,34 mm² |
|-------------------------------|----------|

|                         |                            |
|-------------------------|----------------------------|
| Material conductor wire | Stranded copper wire, bare |
|-------------------------|----------------------------|

|                       |                |
|-----------------------|----------------|
| Conductor type (wire) | strand class 6 |
|-----------------------|----------------|

|                               |                           |
|-------------------------------|---------------------------|
| Traversing distance (C-track) | 10 m @ 25 °C   horizontal |
|-------------------------------|---------------------------|

|                                  |                   |
|----------------------------------|-------------------|
| Current load capacity (standard) | to DIN VDE 0298-4 |
|----------------------------------|-------------------|

|                                 |       |
|---------------------------------|-------|
| Current load capacity min. wire | 4,5 A |
|---------------------------------|-------|

|                                          |                 |
|------------------------------------------|-----------------|
| Electrical resistance line constant wire | 57 Ω/km @ 20 °C |
|------------------------------------------|-----------------|

|                               |       |
|-------------------------------|-------|
| Nominal voltage power AC max. | 300 V |
|-------------------------------|-------|

|                                                         |               |
|---------------------------------------------------------|---------------|
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s |
|---------------------------------------------------------|---------------|

|                                          |               |
|------------------------------------------|---------------|
| AC withstand voltage power (wire - wire) | 2,5 kV @ 60 s |
|------------------------------------------|---------------|

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

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Flame resistance | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 |
|------------------|-----------------------------------------------------|

|                     |                                   |
|---------------------|-----------------------------------|
| chemical resistance | Good, application-related testing |
|---------------------|-----------------------------------|

|                     |                                   |
|---------------------|-----------------------------------|
| Gasoline resistance | Good, application-related testing |
|---------------------|-----------------------------------|

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| Oil resistance           | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)   | 5 x Outer diameter                                   |
| Bending radius (dynamic) | 10 x Outer diameter                                  |
| No. of torsion cycles    | 2 Mio.                                               |
| Torsion speed            | 35 cycles/min                                        |
| Torsion stress           | ± 180 °/m                                            |