

## M12 male 0° A-cod. / MSUD valve plug A-18mm

PVC 3x0.75 ye 3m

Art.No.: 7000-40881-0160300

Weight: 0.211 Country of origin: CZ

Model designation: MSKL3-A-W016\_3.0

Form A (18 mm) - M12, male straight

24 V AC ±20% / DC ±25% LED and suppression

Bridged PE A-coded

Further cable lengths on request.

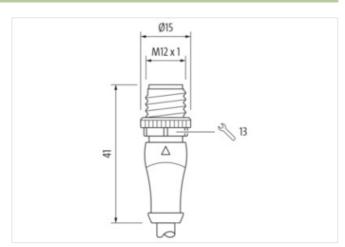
Plastic housings with good resistance against chemicals and oils.

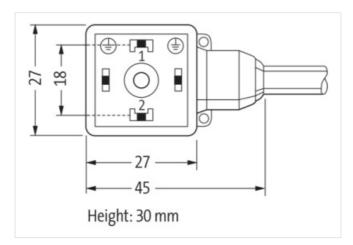
The resistance to aggressive media should be individually tested for your application. Further details on request.

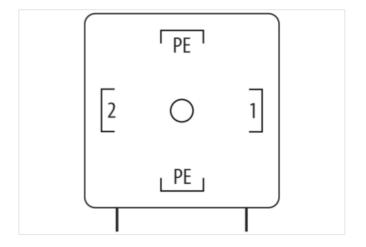
## **Link to Product**

## Illustration



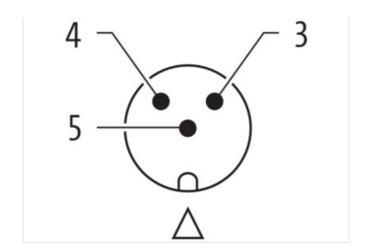


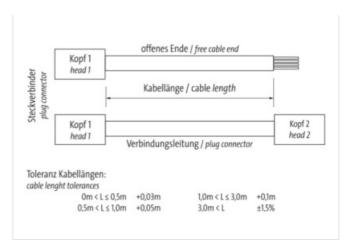


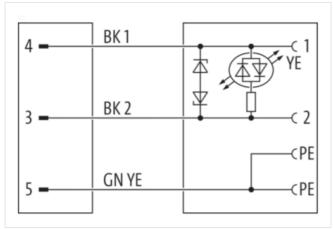




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Product may differ from Image







| Header   |                   |
|--|-------------------|
| Material short text                                  | MSKL3-A-W016_3.0  |
| Cable length   | 3.0 m             |
| Side 1   |                   |
| Family construction form                             | M12               |
| No. of poles   | 3                 |
| Coding   | A                 |
| Mounting method                                      | inserted, screwed |
| Thread   | M12 x 1           |
| Tightening torque                                    | 0.6 Nm            |
| Width across flats                                   | SW13              |
| suitable for corrugated tube (internal $\emptyset$ ) | 10 mm             |
| Material   | PUR               |
| Degree of protection (EN IEC 60529)                  | IP67              |
| Side 2   |                   |
| Family construction form                             | MSUD A            |
| No. of poles   | 4                 |
| Thread   | M3                |



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| Material   | Tightening torque                   | 0.4 Nm   |
|--|-------------------------------------|--|
| Commercial data  | Material                            | PBT  |
| URL Webshop https://info.p.murelektronik.com/7000-40881-0160300 GTN  | Degree of protection (EN IEC 60529) | IP67   |
| GTIN 494879152983  ECLASS 6.0 2779618  ECLASS 7.0 2779618  ECLASS 7.1 27797818  ECLASS 8.0 2779618  ECLASS 8.1 2779618  ECLASS 8.1 2779618  ECLASS 9.1 2706012  ECLASS 9.1 2706012  ECLASS 9.1 2706012  ECLASS 9.1 2706012  ECLASS 10.1 2706012  ECLASS 10.1 2706012  ECLASS 10.1 2706012  ECLASS 10.1 2706012  ECLASS 10.0 2706012  ECL | Commercial data                     |  |
| GTIN 494879152983  ECLASS 6.0 2779618  ECLASS 7.0 2779618  ECLASS 7.1 27797818  ECLASS 8.0 2779618  ECLASS 8.1 2779618  ECLASS 8.1 2779618  ECLASS 9.1 2706012  ECLASS 9.1 2706012  ECLASS 9.1 2706012  ECLASS 9.1 2706012  ECLASS 10.1 2706012  ECLASS 10.1 2706012  ECLASS 10.1 2706012  ECLASS 10.1 2706012  ECLASS 10.0 2706012  ECL | URL Webshop                         | https://shop.murrelektronik.com/7000-40881-0160300 |
| ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.1 27060312 ECLASS-9.1 27060312 ECLASS-9.1 27060312 ECLASS-1.1 27060312 ECLASS-1.0 27060312 ECLASS | •                                   |  |
| ECLASS-7.0 27279218 ECLASS-8.1 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.1 27060312 ECLASS-9.1 27060312 ECLASS-10.0.1 27060312 ECLASS-11.0 27060312 ECLASS-10.0 27060312 ECLASS-10.0 27060312 ECLASS-10 2706 | ECLASS-6.0                          | 27279218   |
| ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.1 27060312 ECLASS-1.1 27060312 ECLASS-1.0 27060312 ECLASS-1.0 27060312 ECLASS-1.0 27060312 ECLASS-1.0 27060312 ECLASS-1.1 27060312 ECLASS-1.0 27060312 ECLASS | ECLASS-6.1                          | 27279218   |
| ECLASS-8.0 2729218 ECLASS-8.1 27279218 ECLASS-9.0 27060312 ECLASS-9.1 27060312 ECLASS-10.0 1 27060312 ECLASS-10.1 27060312 ECLASS-11.0 27060312 ECLASS-11.0 27060312 ECLASS-11.0 27060312 ECLASS-11.0 27060312 ECLASS-12.0 27060312 ECLASS-13.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ETM-5.0 EC001855 ETM-6.0 EC001855 ETM-7.0 EC001855 ETM-8.0 EC001855  | ECLASS-7.0                          | 27279218   |
| ECLASS-8.1 2729218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-11.0 27060312 ECLASS-11.0 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.0 EC001855 ETIM-5.0 EC001855 ETIM-6.0 EC001855 ETIM-7.0 EC001855 ETIM-7.0 EC001855 ETIM-7.0 EC001855 ETIM-7.0 EC001855 ETIM-7.0 EC001855 ETIM-7.0 EC001855 ETIM-8.0 EC001855 ETIM-9.0 EC001855 ETIM-9 | ECLASS-7.1                          | 27279218   |
| ECLASS-9.0 27060312 ECLASS-9.1 27060312 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-11.0 27060312 ECLASS-11.0 27060312 ECLASS-11.0 27060312 ECLASS-12.0 27060312 ECLASS-13.0 27060312 ECLASS-13.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ETIM-5.0 EC001855 ETIM-6.0 EC001855 ETIM-7.0 EC01855 ETIM-8.0 EC001855 ETIM-8.0 EC001855 ETIM-8.0 EC001855 ETIM-9.0 EC0018 | ECLASS-8.0                          | 27279218   |
| ECLASS-9.1 27060312 ECLASS-10.01 27060312 ECLASS-11.0 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-13.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ETIM-5.0 EC001855 ETIM-5.0 EC001855 ETIM-5.0 EC001855 ETIM-7.0 EC001855 ETIM-8.0 EC001855 ETIM-8.0 EC001855 ETIM-9.0 EC001855 ETIM-9.0 EC001855 ETIM-9.0 EC001855 ETIM-9.0 EC001855 ETIM-9.0 EC001855 ETIM-9.0 EC001855 EVIM-9.0 EC001855 EVIM-9.0 EC001855 EVIM-9.0 EC001855 EVIM-9.0 EVIM-9.0 EC001855 EVIM-9.0 EC00185 EVIM-9.0 EC001855 EVIM-9.0 EC00185 EVIM-9.0 EC00185  | ECLASS-8.1                          | 27279218   |
| ECLASS-10.1 27060312 ECLASS-11.0 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-13.0 27060312 ECLASS-13.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 EC01855 ETIM-5.0 EC01855 ETIM-6.0 EC01855 ETIM-7.0 EC001855 ETIM-8.0 EC001855 ETIM-8.0 EC01855 ETIM-8.1 EC01855 ETIM-8.0 EC01855 ETIM-8.0 EC01855 ETIM-8.0 EC01855 ETIM-8.0 EC01855 ETIM-8.0 EC01855 ETIM-8.0 EC01855 ETIM-9.0 EC01855 | ECLASS-9.0                          | 27060312   |
| ECLASS-10.1 27060312 ECLASS-11.0 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-13.0 27060312 ECLASS-14.0 27060312 ECLASS-14.0 27060312 ETIM-5.0 EC01855 ETIM-5.0 EC01855 ETIM-5.0 EC01855 ETIM-5.0 EC01855 ETIM-7.0 EC01855 ETIM-8.0 EC01855 EAN dy48879152983 Packaging unit 1  Electrical data Drop out delay time max. 20 ms Electrical data   Supply Operating voltage AC 24 V Operating voltage AC max. 288 V Operating voltage AC max. 288 V Operating voltage AC max. 30 V Operating voltage C max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Ourrent operating per contact max. 4 A Cut-off peak voltage max. 55 V Current consumption max. 15 mA  Diagnostics Status indication LED yelliow Device protection [Electrical Degree of protection (EN IEC 60529)   IP67 Additional suppressor 3 Additional suppressor 2-Diode Rated surge voltage C Additional suppressor 2-Diode Rated surge voltage Material data  | ECLASS-9.1                          | 27060312   |
| ECLASS-11.0         27060312           ECLASS-12.0         27060312           ECLASS-13.0         27060312           ECLASS-14.0         27060312           ECLASS-14.0         27060312           ECLASS-14.0         EC001855           ETIM-5.0         EC001855           ETIM-1.0         EC001855           ETIM-1.0         EC001855           ETIM-1.0         EC001855           EAN         4048879152983           Packaging unit         1           Electrical data         Electrical data           Prop-out delay time max.         20 ms           Electrical data   Supply         Supply           Operating voltage AC         24 V           Operating voltage AC miax.         288 V           Operating voltage DC miax.         288 V           Operating voltage DC miax.         30 V           Current operating per contact max.         4 A           Current operating per contact max.         4 S m A           Objectives         55 V           Current operating per contact max.         15 m A           Objectives         Status indication LED         yellow           Device protection   Electrical         Inserted, screwed   | ECLASS-10.0.1                       | 27060312   |
| ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-14.0         27060312           ECLASS-14.0         27060312           ETIM-5.0         EC001855           ETIM-6.0         EC001855           ETIM-7.0         EC001855           ETIM-8.0         EC001855           customs tariff number         85444280           EAN         404879152983           Packaging unit         1           Electrical data         1           Drop-out delay time max.         20 ms           Electrical data   Supply         Voperating voltage AC           Operating voltage AC min.         192 Y           Operating voltage AC max.         288 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Cut-off peak voltage max.         55 V           Current consumption max.         15 mA           Degree of protection (EN IEC 60529)         1P67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional suppressor         Z-Diode           Rated s   | ECLASS-10.1                         | 27060312   |
| ECLASS-12.0         27060312           ECLASS-14.0         27060312           ETIM-5.0         EC001855           ETIM-6.0         EC001855           ETIM-7.0         EC001855           ETIM-7.0         EC001855           ETIM-8.0         EC001855           ETIM-8.0         EC001855           customs tariff number         85444290           EAN         4048879152893           Packaging unit         1           Electrical data         Uson           Drop-out delay time max.         20 ms           Electrical data   Suppty         Uson           Operating voltage AC max.         28 V           Operating voltage AC max.         288 V           Operating voltage AC max.         288 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Cut-off peak voltage max.         58 V           Current omsumption max.         15 mA           Diagnostics         Status indication LED         yellow           Device protection   Electrical         Degree of protection fellectrical           Degree of protection (EN IEC 60529)         1P67           Additional suppressor         2-Diode   | ECLASS-11.0                         | 27060312   |
| ECLASS-13.0         27060312           ECLASS-14.0         27060312           ETIM-5.0         EC001855           ETIM-6.0         EC001855           ETIM-7.0         EC001855           ETIM-8.0         EC001855           ETIM-8.0         EC001865           uschoor staff number         85444290           EAN         4048679152983           Packaging unit         1           Electrical data         Drop-out delay time max.           Electrical data   Suppty         V           Operating voltage AC         24 V           Operating voltage AC min.         192 Y           Operating voltage AC max.         288 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Cut-off peak voltage max.         55 V           Current consumption max.         15 mA           Device protection   Electrical           Device protection   Electrical           Device protection   Electrical           Degree of protection (EN IEC 60829)         IPG7           Additional condition protection degree         inserted, screwed           Pollution Degree         3  | ECLASS-11.1                         | 27060312   |
| ECLASS-14.0 27060312  ETIM-5.0 EC001855  ETIM-6.0 EC001855  ETIM-7.0 EC001855  ETIM-7.0 EC001855  ETIM-8.0 EC001855  ETIM-8.0 EC001855  Customs tariff number 35444290  EAN 4048879152983  Packaging unit 1  Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC min. 192 V  Operating voltage AC min. 192 V  Operating voltage AC min. 192 V  Operating voltage DC 24 V  Operating voltage DC min. 18 V  Operating voltage DC min. 18 V  Current operating voltage DC min. 18 V  Current operating voltage max. 55 V  Current consumption max. 15 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529)   IP67  Additional suppressor 2-Diode  Rated surge voltage Max   0.8 kV  Material group (IEC 60664-1)   I  Mechanical data   Material data   | ECLASS-12.0                         | 27060312   |
| ETIM-5.0 EC001855 ETIM-6.0 EC001855 ETIM-7.0 EC001855 ETIM-7.0 EC001855  ETIM-8.0 EC001855  Customs tariff number 85444290  EAN 4048879152983 Packaging unit 1  Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC max. 288 V  Operating voltage AC max. 288 V  Operating voltage AC min. 192 V  Operating voltage AC min. 192 V  Operating voltage AC min. 18 V  Operating voltage AC min. 18 V  Operating voltage DC min. 18 V  Operating voltage DC min. 18 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Cut-off peak voltage max. 55 V  Current consumption max. 15 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage  Material group (IEC 60664-1) I  Mechanical data   Material data   | ECLASS-13.0                         | 27060312   |
| ETIM-6.0         EC001855           ETIM-7.0         EC001855           ETIM-8.0         EC001855           customs tariff number         85444290           EAN         4048879152983           Packaging unit         1           Electrical data           Drop-out delay time max.         20 ms           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         192 V           Operating voltage AC max.         288 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Cut-off peak voltage max.         55 V           Current consumption max.         15 mA           Diagnostics         Status Indication LED         yellow           Degree of protection   Electrical           Degree of protection   Electrical         1967           Additional suppressor         2-Diode           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         I   | ECLASS-14.0                         | 27060312   |
| ETIM-7.0 EC01855 ETIM-8.0 EC001855 Customs tariff number 85444290 EAN 4048879152983 Packaging unit 1  Electrical data Drop-out delay time max. 20 ms Electrical data   Supply Operating voltage AC min. 192 V Operating voltage AC min. 192 V Operating voltage AC min. 192 V Operating voltage AC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating voltage DC max. 30 V Current operating per contact max. 4 A Cut-off peak voltage max. 55 V Current consumption max. 15 mA  Diagnostics Status indication LED yellow  Device protection   Electrical Degree of protection (EN IEC 60529) IP67 Additional condition Degree 3 Additional suppressor 2-Diode Rated surge voltage (IEC 60664-1) I  Mechanical data   Material data   | ETIM-5.0                            | EC001855   |
| ETIM-8.0 EC001855  customs tariff number 85444290  EAN 4048879152983  Packaging unit 1  Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC ini. 192 V  Operating voltage AC min. 192 V  Operating voltage AC ini. 182 V  Operating voltage AC ini. 18 V  Operating voltage DC min. 18 V  Operating voltage DC min. 18 V  Operating voltage DC min. 18 V  Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Cut-off peak voltage max. 55 V  Current consumption max. 15 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection   Electrical  Degree of protection degree inserted, screwed  Pollution Degree 3  Additional suppressor 2-Diode  Rated surge voltage (IEC 60664-1) I  Mechanical data   Material data  | ETIM-6.0                            | EC001855   |
| customs tariff number         85444290           EAN         4048879152983           Packaging unit         1           Electrical data           Drop- out delay time max.         20 ms           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         192 V           Operating voltage AC max.         288 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Cut-off peak voltage max.         55 V           Current consumption max.         15 mA           Diagnostics           Status indication LED         yellow           Degree of protection [Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional suppressor         2-Diode           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data  | ETIM-7.0                            | EC001855   |
| EAN         4048879152983           Packaging unit         1           Electrical data         20 ms           Electrical data   Supply         Poperating voltage AC           Operating voltage AC min.         192 V           Operating voltage AC max.         288 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Cut-off peak voltage max.         55 V           Current consumption max.         15 mA           Diagnostics         Status indication LED           Status indication LED         yellow           Device protection   Electrical         Pegree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional suppressor         Z-Diode           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data   | ETIM-8.0                            | EC001855   |
| Packaging unit         1           Electrical data           Drop-out delay time max.         20 ms           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         192 V           Operating voltage AC max.         288 V           Operating voltage DC more.         24 V           Operating voltage DC min.         18 V           Operating voltage pc max.         30 V           Current operating per contact max.         4 A           Cut-off peak voltage max.         55 V           Current consumption max.         15 mA           Diagnostics         Vellow           Status indication LED         yellow           Device protection   Electrical         Velice protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional suppressor         Z-Diode           Rated surge voltage         0.8 kV           Metarial group (IEC 60664-1)         I           Mechanical data   Material data   |                                     |  |
| Proposition      |                                     |  |
| Drop-out delay time max.   20 ms   | Packaging unit                      | 1  |
| Page 1   | Electrical data                     |  |
| Operating voltage AC 24 V Operating voltage AC min. 192 V Operating voltage AC max. 288 V Operating voltage DC 24 V Operating voltage DC inin. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Cut-off peak voltage max. 55 V Current consumption max. 15 mA  Diagnostics Status indication LED yellow  Device protection   Electrical  Degree of protection   Electrical  Degree of protection degree inserted, screwed Pollution Degree 3 Additional condition protection degree 0.8 kV Material group (IEC 60664-1)    Mechanical data   Material data  | Drop-out delay time max.            | 20 ms  |
| Operating voltage AC min. 192 V Operating voltage AC max. 288 V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Cut-off peak voltage max. 55 V Current consumption max. 15 mA  Diagnostics Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Z-Diode Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   | Electrical data   Supply            |  |
| Operating voltage AC min. 192 V Operating voltage AC max. 288 V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Cut-off peak voltage max. 55 V Current consumption max. 15 mA  Diagnostics Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed  Pollution Degree 3 Additional suppressor Z-Diode Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  | Operating voltage AC                | 24 V   |
| Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Cut-off peak voltage max. 55 V Current consumption max. 15 mA  Diagnostics Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   |                                     | 192 V  |
| Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Cut-off peak voltage max. 55 V Current consumption max. 15 mA  Diagnostics Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   | Operating voltage AC max.           | 288 V  |
| Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Cut-off peak voltage max. 55 V  Current consumption max. 15 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  |                                     | 24 V   |
| Current operating per contact max. 4 A  Cut-off peak voltage max. 55 V  Current consumption max. 15 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  | Operating voltage DC min.           | 18 V   |
| Cut-off peak voltage max. 55 V Current consumption max. 15 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   | Operating voltage DC max.           | 30 V   |
| Current consumption max. 15 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  | Current operating per contact max.  | 4 A  |
| Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   | Cut-off peak voltage max.           | 55 V   |
| Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   | Current consumption max.            | 15 mA  |
| Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   | Diagnostics                         |  |
| Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   |                                     | yellow   |
| Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed  Pollution Degree 3 Additional suppressor Z-Diode Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  |                                     |  |
| Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional suppressor Z-Diode  Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   |                                     | ID67   |
| Pollution Degree 3 Additional suppressor Z-Diode Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data   | <u> </u>                            |  |
| Additional suppressor Z-Diode Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  |                                     |  |
| Rated surge voltage 0.8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  |                                     |  |
| Material group (IEC 60664-1)  Mechanical data   Material data  |                                     |  |
| Mechanical data   Material data  |                                     |  |
|  | Material group (IEC 60664-1)        | l  |
| Material housing Plastic   | Mechanical data   Material data     |  |
|  | Material housing                    | Plastic  |



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| Color housing   | black  |
|---|--|
| ocking material   | Zinc die-casting   |
| Coating locking   | Nickeled   |
| laterial gasket   | PUR  |
| Mechanical data   Mounting data   |  |
| lounting method   | inserted, screwed  |
| Environmental characteristics   Climatic                                |  |
| Operating temperature min.  | -25 °C   |
| Operating temperature max.  | 85 °C  |
| additional condition temperature range                                  | depending on cable quality   |
| Important installation notes  |  |
| important installation notes  | Attended to Observation and State of Secretary and Secreta |
| lote 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.  |
| lote on strain relief   | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  |
| Conformity  |  |
| Product standard  | DIN EN 61076-2-101 (M12), DIN EN 175301-803  |
|   | שווא בוא סוטיט-2-101 (ואוב), שווא בוא 173001-003   |
| Installation   Cable  |  |
| Cable identification  | 016  |
| Cable Type  | 1  |
| amount stranding  | 1  |
| stranding   | 3 wires stranded   |
| Vire arrangement  | black 1, black 2, green-yellow   |
| Cable weigth  | 63.8 g/m   |
| Material wire insulation  | PVC  |
| amount wires  | 3  |
| Outer diameter insulation   | 1.8 mm   |
| Outer diameter tolerance core insulation                                | ± 0.1 mm  43 5 Shore D   |
| Material properties wire insulation                                     | good machinability   |
| ngredient freeness wire insulation                                      | CFC-free, cadmium-free, silicone-free, lead-free   |
| Printing color of wire insulation                                       | white (isolation black)  |
| amount strands (wire)   | 24   |
| Diameter of single wires  | 0.2 mm   |
| Conductor crosssection (wire)   |  |
| . ,   | 0.75 mm²   |
| Material conductor wire   | Stranded copper wire, bare   |
| Conductor type (wire)   | Strand class 5   |
| Outer-diameter (jacket)   | 5.9 mm<br>± 5 %  |
| olerance outer diameter (sheath)  Material jacket                       | PVC  |
| Shore hardness jacket   | 80 5 Shore A   |
| reedom from ingredients (jacket)  | CFC-free, cadmium-free, silicone-free, lead-free   |
| Material property (jacket)  | good machinability   |
| Conductor resistance (wire)   | 26 Ω/km @ 20 °C  |
| fax. rated voltage (conductor - ground)                                 | 300 V  |
| Max. rated voltage (conductor - conductor)                              | 500 V  |
| Vithstand voltage (wire - wire)   | 3 kV @ 60 s  |
| Vithstand voltage (wire - jacket)                                       | 3 kV @ 60 s  |
| Current load capacity (standard)  | to DIN VDE 0298-4  |
| Current load capacity min. wire   | 12 A   |
|   |  |
| fin. operating temperature (static)                                     | -30 °C   |
| fin. operating temperature (static)  fax. operating temperature (fixed) | -30 °C<br>70 °C  |



| Operating temperature max. (dynamic) | 70 °C                       |
|--------------------------------------|-----------------------------|
| Oil resistance                       | good                        |
| Chemical resistance                  | good                        |
| Other resistances                    | good resistance to gasoline |
| Bending radius (fixed)               | 5 × Outer diameter          |
| Bending radius (dynamic)             | 10 x Outer diameter         |