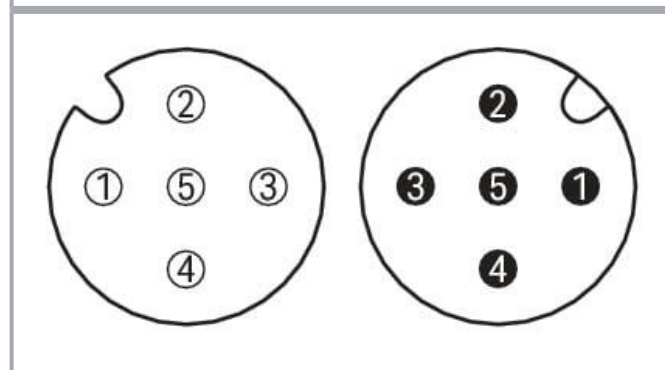
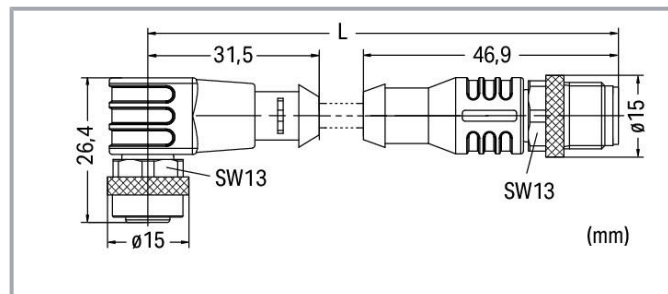




A diagram consisting of five horizontal lines. On the left side, each line is preceded by a number from 1 to 5, and each is followed by a closing curly brace '}'. On the right side, each line is followed by a solid black square, and each is preceded by a number from 1 to 5. Between the curly braces and the black squares, the words 'brown', 'white', 'blue', 'black', and 'gray' are written in order from top to bottom.

|   |   |       |  |   |   |
|---|---|-------|--|---|---|
| 1 | } | brown |  | ■ | 1 |
| 2 | } | white |  | ■ | 2 |
| 3 | } | blue  |  | ■ | 3 |
| 4 | } | black |  | ■ | 4 |
| 5 | } | gray  |  | ■ | 5 |

- PUR, halogen-free
- Suitable for drag chains
- High resistance to microbes, hydrolysis, oil, chemicals and UV radiation
- High chemical resistance
- Cable used: UL listed

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## Data

### Technical data

#### General information

|                                           |                            |
|-------------------------------------------|----------------------------|
| Operating voltage                         | 250 VAC/DC                 |
| Operating current                         | 4 A                        |
| Rated surge voltage                       | 1.5 kV                     |
| Insulation resistance                     | $>10^9 \Omega$             |
| Contact resistance                        | 10 m $\Omega$              |
| Conductor resistance                      | $\leq 60 \Omega/\text{km}$ |
| Pollution degree                          | 3 per VDE 0110             |
| Protection type                           | IP67                       |
| Ambient (operating) temperature (static)  | -50 ... +90 °C             |
| Ambient (operating) temperature (dynamic) | -25 ... +90 °C             |

#### Drag chain compatible

|                               |                            |
|-------------------------------|----------------------------|
| Bending radius                | 10 x cable diameter (min.) |
| Bending cycles                | 2 Mio.                     |
| Acceleration (min.)           | 5                          |
| Travel speed (max.)           | 3.33                       |
| Travel path (horizontal) max. | 5                          |
| Travel path (vertical) max.   | 2                          |
| Torsional capacity            | 180                        |

#### Cable

|                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| Cable length            | 1 m                                                                                                           |
| Type code               | LiF9YH-11YH or LiF9YC11YFHF                                                                                   |
| Conductor configuration | Bare copper wire, fine-stranded (42 x 0.1 mm)                                                                 |
| Conductor insulation    | PP9Y (halogen-free)                                                                                           |
| Sheath material         | Polyurethane (PUR), halogen-free per DIN VDE 0472 Part 815, flame resistant per IEC 332-2, self-extinguishing |
| Sheathed cable color    | black                                                                                                         |
| Sheathed cable diameter | 4.8 ... 5.2 mm                                                                                                |

#### Connector

|                 |                       |
|-----------------|-----------------------|
| Connection type | M12 Socket - M12 plug |
|-----------------|-----------------------|

Subject to changes. Please also observe the further product documentation!



|                                                    |                    |
|----------------------------------------------------|--------------------|
| Pole number                                        | 5                  |
| Cable connection direction to mating direction     | 90 °               |
| Cable connection direction to mating direction (2) | 0 °                |
| Connector interface coding (cable/adaptor) 1 1     | A-coded            |
| Connector interface coding (cable/adaptor) 2 1     | A-coded            |
| Housing material                                   | Polyurethane (PUR) |
| Contact material                                   | CuSn               |
| Tightening torque                                  | 1 Nm               |

## Commercial data

|                       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-06-03-11   |
| eCl@ss 9.0            | 27-06-03-11   |
| ETIM 8.0              | EC001855      |
| ETIM 7.0              | EC001855      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 10 (1) pcs    |
| Packaging type        | Box           |
| Country of origin     | HU            |
| GTIN                  | 4044918975650 |
| Customs tariff number | 85444290900   |

## Environmental Product Compliance

|                                           |                                      |
|-------------------------------------------|--------------------------------------|
| CAS-No.                                   | 7439-92-1                            |
| REACH Candidate List Substance            | Lead                                 |
| RoHS Compliance Status                    | Compliant, With Exemption            |
| RoHS Exemption                            | 6(c)                                 |
| SCIP notification number (Austria)        | f5bb70b4-9a0d-49c2-bac3-e875831e6a49 |
| SCIP notification number (Belgium)        | a9e9d779-88a4-4eb0-bf8a-e47a9567262f |
| SCIP notification number (Bulgaria)       | 951cfebb-f8b0-420f-828f-3333904bc874 |
| SCIP notification number (Czech Republic) | bbccadfb-c5d1-4802-9a0e-f9a4ea2ca416 |
| SCIP notification number (Denmark)        | 1bee19c8-6642-42c2-8b73-1c931cc69bfd |
| SCIP notification number (Finland)        | e4560381-8b2c-4a27-8a1b-37abfe1d66c8 |
| SCIP notification number (France)         | 8b4a540b-3a75-42b4-ad20-0f199610f462 |
| SCIP notification number (Germany)        | d2d0a1e9-a512-427a-81db-41c590a62bdf |
| SCIP notification number (Hungary)        | c8668bfa-2f58-42ef-889e-b2b837828eda |
| SCIP notification number (Italy)          | db785c2f-c4c7-4a4b-865c-aa3afce08823 |
| SCIP notification number (Netherlands)    | b4ce095b-030c-4804-9067-5b77bd636b38 |

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|                                    |                                      |
|------------------------------------|--------------------------------------|
| SCIP notification number (Poland)  | 6ded1d95-325c-4aff-8990-867df953c0c3 |
| SCIP notification number (Romania) | 4caae877-f445-492d-be4d-710c26091536 |
| SCIP notification number (Sweden)  | 03dae947-2da8-40a6-9f06-3edb8d775abf |

## Commercial data

|                       |
|-----------------------|
| eCl@ss 9.0            |
| ETIM 8.0              |
| ETIM 7.0              |
| Customs tariff number |

## Approvals / Certificates

### General approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 2238                  | E519602          |

## Downloads

### Documentation

#### Bid Text

|                                 |              |                |          |
|---------------------------------|--------------|----------------|----------|
| 756-5403/050-010<br>X81 - Datei | 2019 年2月19 日 | xml<br>3.3 kB  | Download |
| 756-5403/050-010<br>doc - Datei | 2017 年9月20 日 | doc<br>27.1 kB | Download |

### System Description

|                                      |                 |          |
|--------------------------------------|-----------------|----------|
| IP67 Cables and Pluggable Connectors | pdf<br>130.8 kB | Download |
|--------------------------------------|-----------------|----------|

## CAD/CAE-Data

### CAE data

|                                 |     |          |
|---------------------------------|-----|----------|
| WSCAD Universe 756-5403/050-010 | URL | Download |
|---------------------------------|-----|----------|

Subject to changes. Please also observe the further product documentation!



WSCAD Universe 756-5403/050-010

[URL](#) [Download](#)

Environmental Product Compliance

Compliance Search

|                                                                                      |                     |                          |
|--------------------------------------------------------------------------------------|---------------------|--------------------------|
| Environmental Product Compliance 756-5403/050-010                                    | <a href="#">URL</a> | <a href="#">Download</a> |
| Sensor/Actuator cable; M12A socket; angled; M12A plug; straight; 5-pole; Length: 1 m |                     |                          |

Installation Notes

Subject to changes. Please also observe the further product documentation!