

**M12 male recept. A-cod. front**

PUR-wires 5x0.34 1m

Art.No.: 7000-13521-9720100

Weight: 0.046 kg

Country of origin: DE

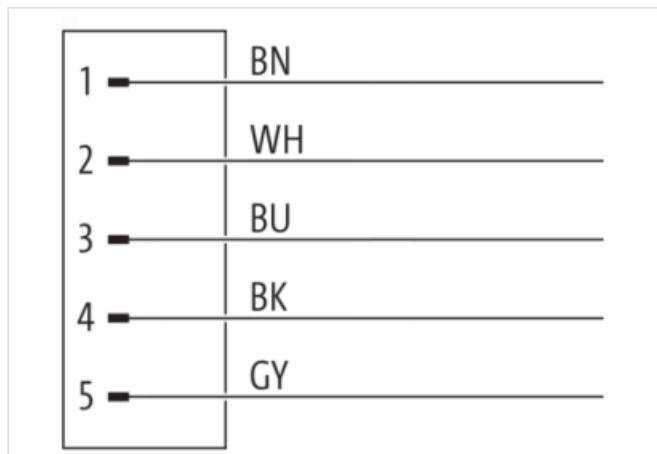
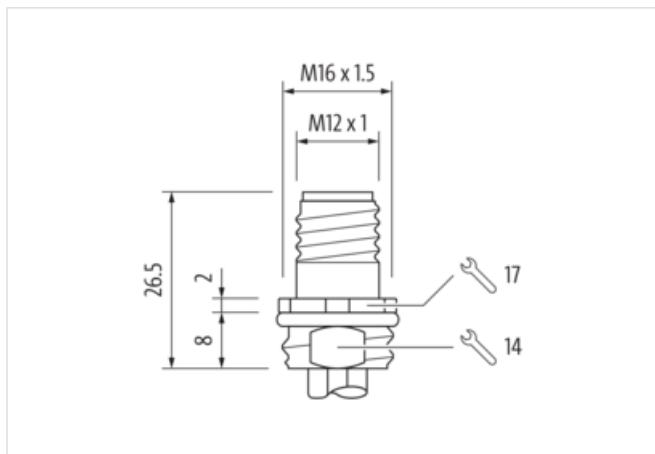
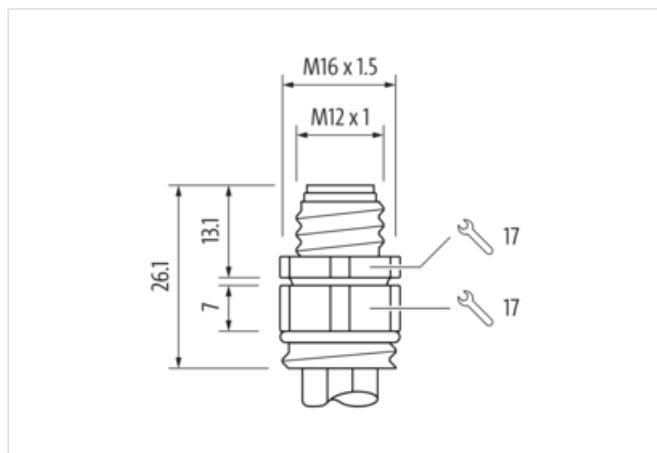
Model designation: MSAFV-U972\_1.0

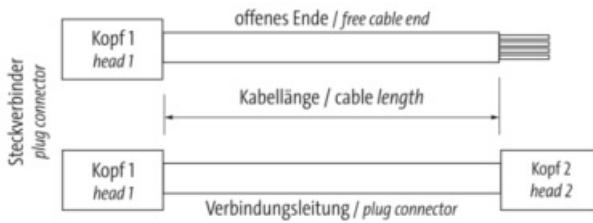
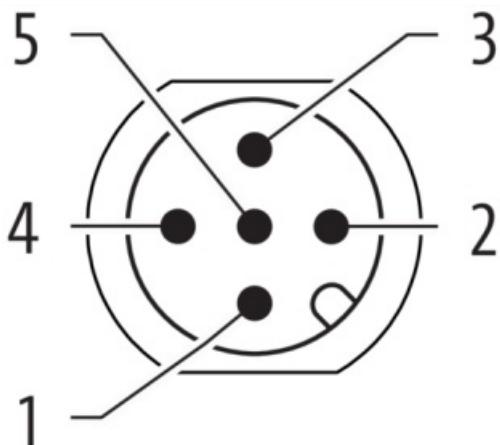
Flange male

M12, 5-pole

Front mounting

with multi-strand wire

[Link to Product](#)
**Illustration**




Toleranz Kabellängen:  
cable length tolerances

0m < L ≤ 0,5m	+0,03m	1,0m < L ≤ 3,0m	+0,1m
0,5m < L ≤ 1,0m	+0,05m	3,0m < L	±1,5%

Product may differ from Image



#### Header

Cable length 1,00 m

#### Side 1

Family construction form	M12
No. of poles	5
Coding	A
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW14
Material	Zinc die-casting
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67

#### Commercial data

URL Webshop	<a href="https://shop.murrelektronik.com/7000-13521-9720100">https://shop.murrelektronik.com/7000-13521-9720100</a>
customs tariff number	85444290
EAN	4048879294942
Packaging unit	1

#### Electrical data | Supply

Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Current operating per contact max.	4 A

#### Installation | Connection

Mounting set	M16 x 1.5
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#### Installation | Pin assignment

Configuration	fully used
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#### Device protection | Electrical

Protection NEMA	6P, 4, 3
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV

Material group (IEC 60664-1)

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**Mechanical data | Material data**

Material screw connection	Zinc die-casting
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Coating locking	Nickelated

**Mechanical data | Mounting data**

Mounting method	Schraubgewinde
Locking techniques	Schraubgewinde

**Environmental characteristics | Climatic**

Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

**Important installation notes**

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.

**Approvals**

UL 50E	Yes
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**Temperature range | Cable**

Cable identification	972
Wire arrangement	brown, white, blue, black, gray
Cable weight	38 g/m
Material wire insulation	PUR
Amount wires	5
Outer diameter insulation	1,3 mm
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	copper stranded wire, tinned
Conductor type (wire)	Strand class 5
Conductor resistance (wire)	58 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	1.5 kV
Withstand voltage (wire - jacket)	1.5 kV
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	90 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	90 °C