

**M12 female recept. A-cod. rear**

PUR-wires 5x0.34 1m

Art.No.: 7000-13565-9720100

Weight: 0.047 kg

Country of origin: DE

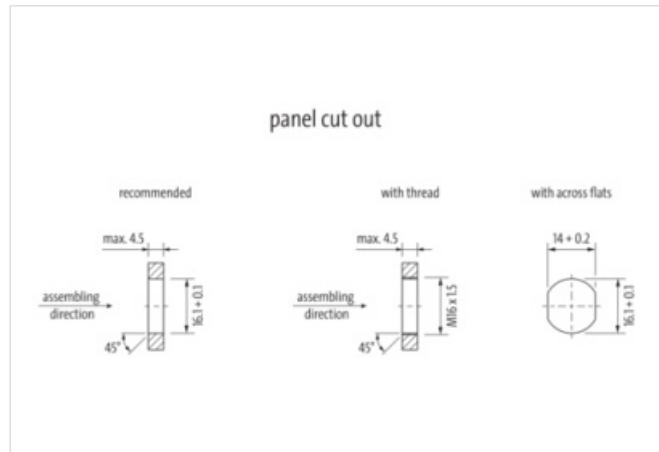
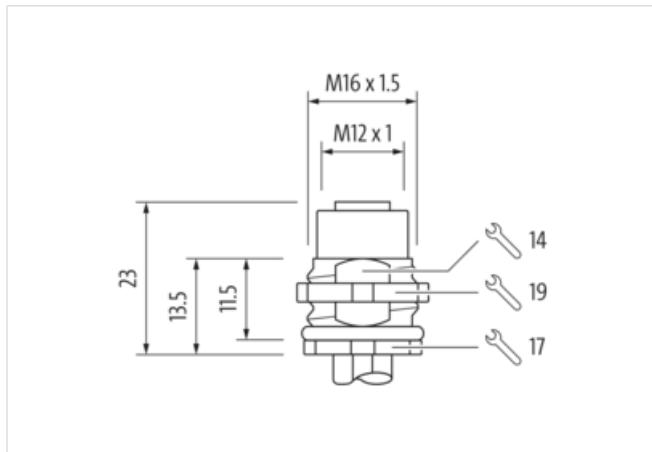
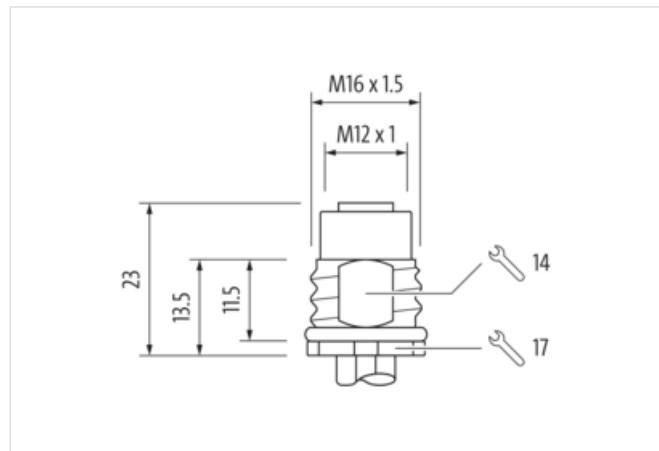
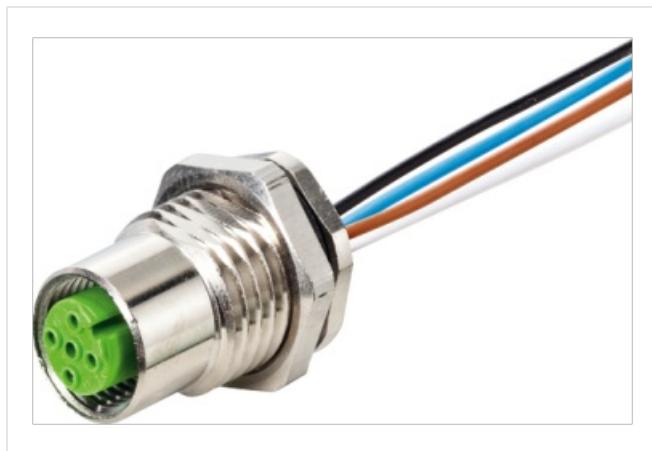
Model designation: MSBFH-U972\_1.0

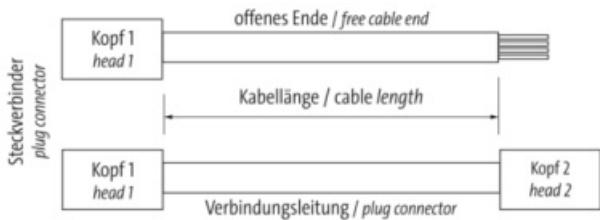
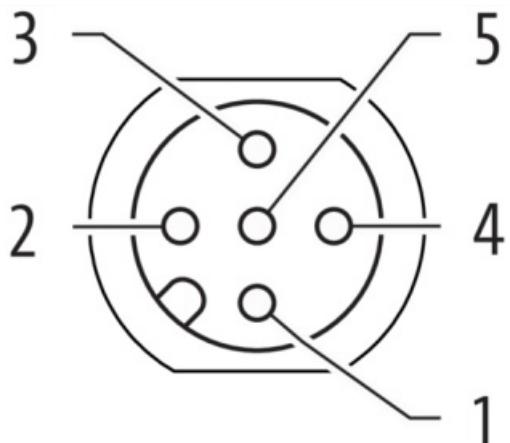
Flange female

M12, 5-pole

Rear 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
Coding	A
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Material	Brass
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67

#### Commercial data

URL Webshop <https://shop.murrelektronik.com/7000-13565-9720100>

customs tariff number 85444290

EAN 4048879330275

Packaging unit 1

#### Electrical data | Supply

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness, completeness and topicality of the information is restricted to gross negligence. Version: 2026-02-06

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | [shop@murrinc.com](mailto:shop@murrinc.com) | [shop.murrinc.com](http://shop.murrinc.com)

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

#### Diagnostics

Status indication LED	No
-----------------------	----

#### Installation | Connection

Mounting set	M16 x 1.5
Width across flats	SW19

#### 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)	I

#### Mechanical data

Contour for corrugated hose	without
-----------------------------	---------

#### Mechanical data | Material data

Coating housing	nickel plated
Material screw connection	Brass
Coating of fitting	nickel plated
Locking material	Brass
Coating locking	nickel plated
Material gasket	FKM

#### Mechanical data | Mounting data

Mounting method	Schraubgewinde
Looking 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.

#### Conformity

Product standard	EN IEC 61076-2-101 (M12)
------------------	--------------------------

#### Approvals

UL 50E	Yes
--------	-----

#### 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 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