

M12 male recept. A-cod. front V2A

PUR-wires 4x0.34 0.2m

Art.No.: 7002-13501-9710020

Weight: 0.015 kg

Country of origin: DE

Model designation: MSAFV-T971_0.2-S02

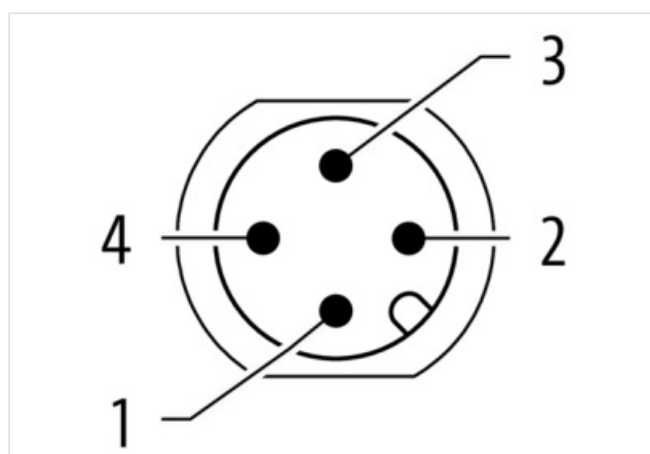
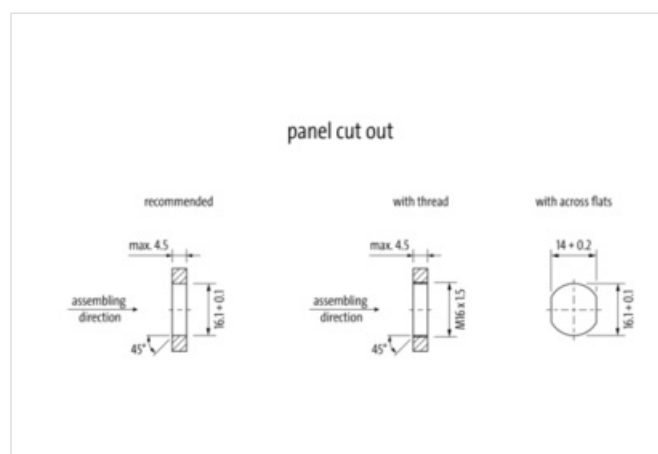
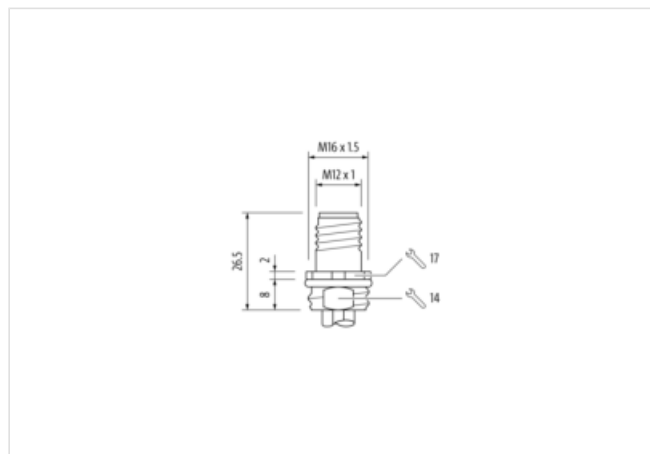
Flange male

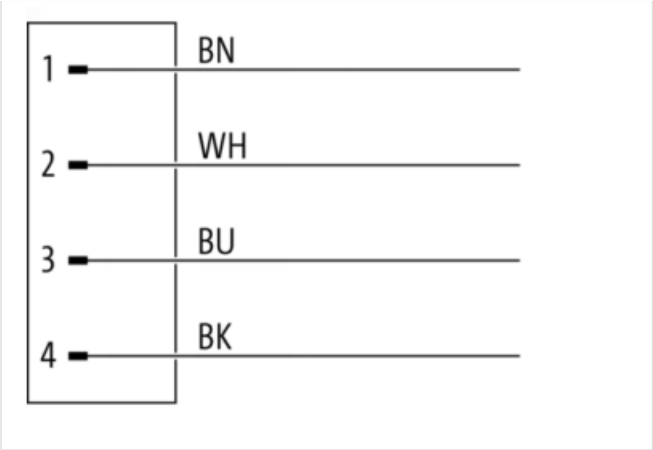
M12, 4-pole

Front mounting

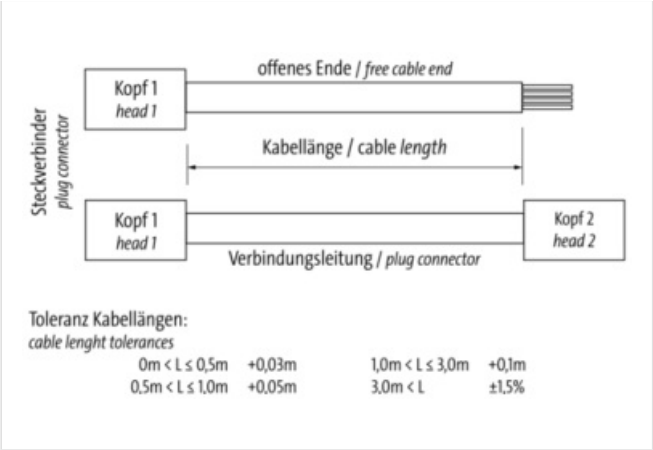
with multi-strand wire

Stainless steel 1.4305 (V2A)

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



Product may differ from Image



Cable length	0,20 m
Side 1	
Family construction form	M12
No. of poles	4
Coding	A
Gender	male
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7002-13501-9710020
GTIN	4048879332729
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-7.1	27440103
ECLASS-8.0	27440103
ECLASS-8.1	27440103
ECLASS-9.0	27440103
ECLASS-9.1	27440109
ECLASS-10.0.1	27440109
ECLASS-10.1	27440103
ECLASS-11.0	27440109
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ECLASS-13.0	27440109
ECLASS-14.0	27440109
ETIM-5.0	EC001855

ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
ETIM-9.0	EC001855
ETIM-10.0	EC001855
customs tariff number	85444290
EAN	4048879332729
Packaging unit	1

Electrical data

Conductor resistance (wire)	58 Ω/km @ 20 °C
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Electrical data | Supply

Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Current operating per contact max.	4 A
Nominal voltage AC max.	300 V

Diagnostics

Status indication LED	No
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Installation | Connection

Mounting set	M16 x 1.5
Width across flats	SW17

Device protection | Electrical

Protection NEMA	6P, 4, 3
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Rated surge voltage	2,5 kV
Isolation resistance	20 MΩ × km
Withstand voltage (wire - wire)	1.5 kV @ 60 s
Material group (IEC 60664-1)	I

Mechanical data

Amount strands (wire)	19
Diameter of single wires	0,15 mm
Contour for corrugated hose	without

Mechanical data | Material data

housing	Stainless steel 1.4305 (V2A)
Locking material	Stainless steel 1.4305 (V2A)
Gasket	FKM
Material wire insulation	PUR
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Material conductor wire	copper stranded wire, tinned

Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
Cable weight	4,4 g/m

Environmental characteristics | Climatic

Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	-40 °C ... 90 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	-25 °C ... 90 °C

Additional condition temperature range depending on cable quality

Important installation notes

Note on bending radius	Attention: 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)
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Approvals

UL 50E	Yes
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Resistances | Cable

Cable identification	971
Cable weight	33 g/m
Stranding	1 × 4 wires stranded
Wire arrangement	BN, WH, BU, BK
Material wire insulation	PUR
Amount wires	4
Outer diameter insulation	1.3 mm ± 0.1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	copper stranded wire, tinned
Core construction (wire)	19 × 0.15 mm
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor resistance (wire)	58 Ω/km @ 20 °C
Nominal voltage max.	300 V
Withstand voltage (wire - wire)	1.5 kV @ 60 s
Current load capacity max. (wire)	4,8 A
Current load capacity (standard)	to DIN VDE 0298-4
Isolation resistance	20 MΩ × km
Operating temperature (static)	-40 °C ... 90 °C
Operating temperature (dynamic)	-25 °C ... 90 °C
Flame resistance	IEC 60332-1-2
Oil resistance	IEC 60811-404
Other resistances	resistant to hydrolysis, resistant to microbes
Notes	application-related testing