

M12 male recept. A-cod. rear

PUR-wires 8x0.25 0.5m

Art.No.: 7000-17165-9730050

Weight: 0.034 kg

Country of origin: DE

Model designation: MSAFH-08D973_0.5

Flange male

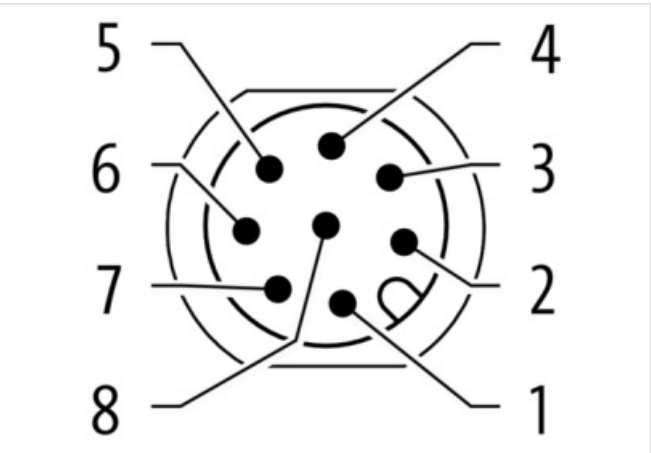
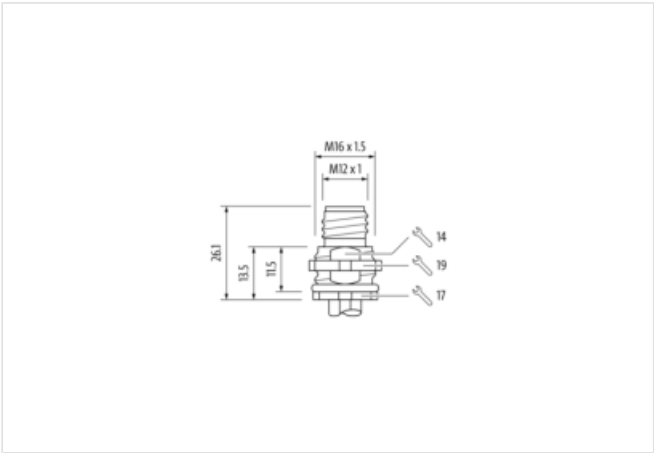
M12, 8-pole

Rear mounting

with multi-strand wire

[Link to Product](#)

Illustration



1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD



Product may differ from Image



Cable length	0,50 m
Side 1	
Family construction form	M12
No. of poles	8
Coding	A
Gender	male
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
Width across flats	SW14
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/7000-17165-9730050
EU-Customs tariff number	85444290
US-Customs tariff number	8544429090
ETIM-9.0	EC001855
ETIM-10.0	EC001855
customs tariff number	85444290
EAN	4048879331906
Packaging unit	1
Electrical data	
Conductor resistance (wire)	77.8 Ω/km @ 20 °C
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	2 A
Nominal voltage AC max.	300 V
Diagnostics	
Status indication LED	No

Installation Connection	
Mounting set	M16 x 1.5
Width across flats	SW19
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
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	4,5 A
Rated surge voltage	0,8 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)	14
Diameter of single wires	0,15 mm
Contour for corrugated hose	without
Mechanical data Material data	
housing	Zinc die-casting
Coating housing	nickel plated
Screw connection	Brass
Coating of fitting	nickel plated
Locking material	Brass
Coating locking	nickel plated
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	Schraubgewinde
Looking techniques	Schraubgewinde
Cable weighth	3,5 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)
Approvals	
UL 50E	Yes
Resistances Cable	
Cable identification	973

Cable weight	48 g/m
Stranding	1 × 8 wires stranded
Wire arrangement	BN, WH, BU, GN, YE, GY, PK, RD
Material wire insulation	PUR
Amount wires	8
Outer diameter insulation	1.1 mm ± 0.1 mm
Conductor crossection (wire)	0,25 mm ²
Material conductor wire	copper stranded wire, tinned
Core construction (wire)	14 × 0.15 mm
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor resistance (wire)	77.8 Ω/km @ 20 °C
Nominal voltage max.	300 V
Withstand voltage (wire - wire)	1.5 kV @ 60 s
Current load capacity max. (wire)	3 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
Other resistances	resistant to hydrolysis, resistant to microbes
Notes	application-related testing