M12 male 0° / M12 female 0° A-cod. shielded

PUR ((2x0.75)C + 2x0.75)C shielded gy UL 18m

Art.No.: 7060-40505-4941800
Weight: 1.832
Country of origin: CZ
Model designation: MSBL0-A-T494_18.0-ZS-S60

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

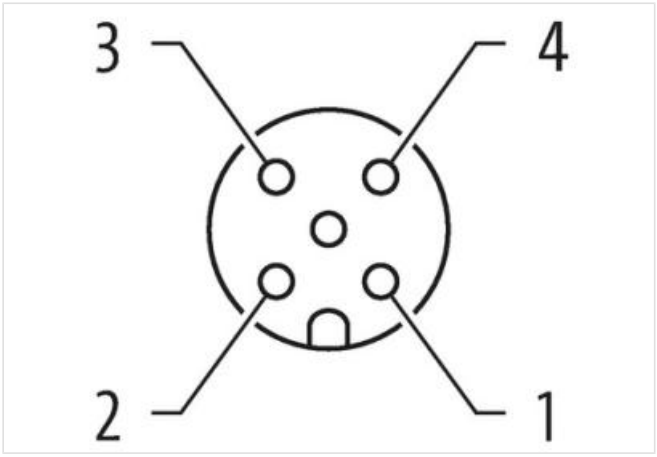
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

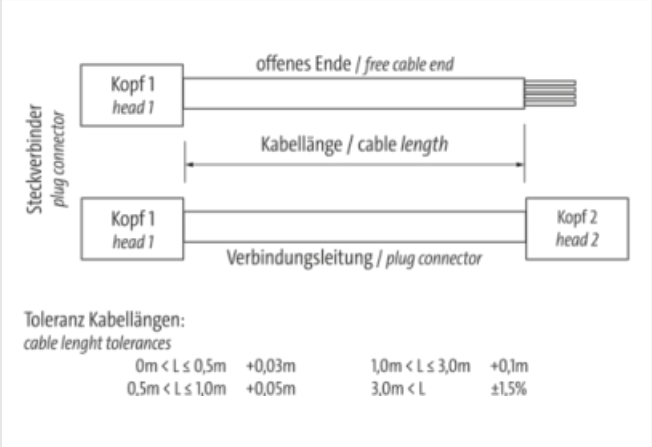
Product details:
AS-Interface
Male straight – female straight
M12 – M12, 4-pole
with cable sleeves
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

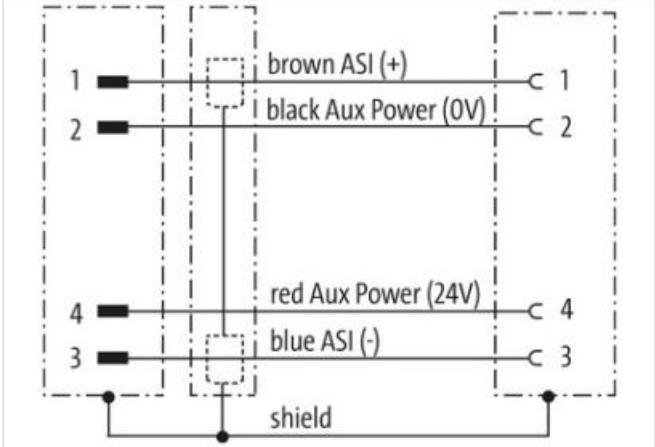
Link to Product

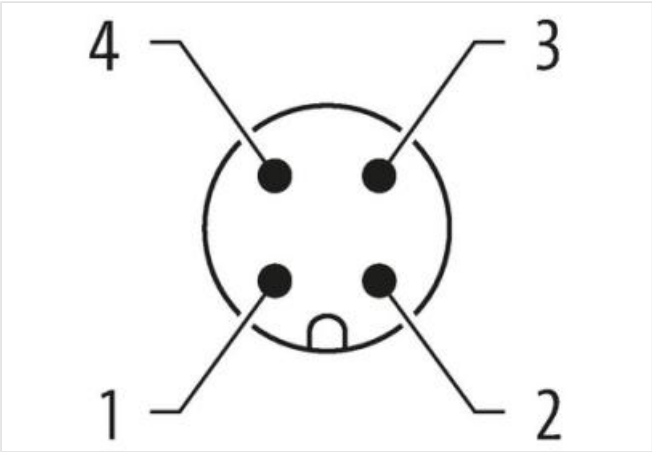
Illustration

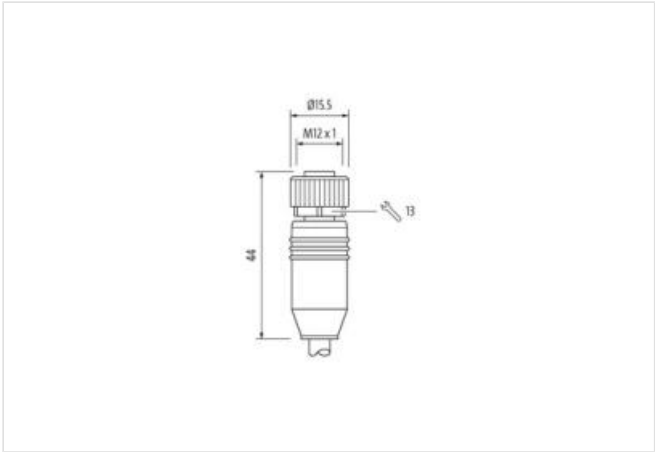


MURR ELEKTRONIK
stay connected









Product may differ from Image

Cable length	**18 m**
Side 1	
Tightening torque	**0,6 Nm**
Mounting method	**inserted, screwed**
Coating contact	**gold plated**
Family construction form	**M12**
Thread	**M12 x 1**
Coding	**A**
Material contact	**Copper alloy**
No. of poles	**4**
Width across flats	**SW13**
Degree of protection (EN IEC 60529)	**IP65, IP67**
Side 2	
Tightening torque	**0,6 Nm**
Mounting method	**inserted, screwed**
Coating contact	**gold plated**
Family construction form	**M12**

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Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	4
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
GTIN	4048879740289
GTIN	4048879740289
Packaging unit	1
Packaging unit	1
Electrical data | Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection | Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data | Material data	
Coating locking	Nickeled
Material gasket	FKM
Locking material	Zinc die-casting
Mechanical data | Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics | Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation | Cable	

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wire arrangement	brown, blue, (black, red)
Cable identification	494
Function cable	Hybrid, Data, Power
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires with 2 Hatchet strand twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Pair shielding (type)	Metal foil
Banding	Fleece, Foil
Drain wire (type)	Strand class 5
Drain wire (cross-section)	0,75 mm²
wire arrangement	brown, blue, (black, red)
Cable weigth	100,1 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	7,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	2
Outer diameter insulation	1,7 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
Drain wire (cross-section)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Electrical function wire	Power
Material wire insulation (Data)	PP
Outer diameter wire insulation (Data)	2,5 mm
Tolerance outer diameter wire insulation (data)	± 5 %
Shore hardness wire insulation (Data)	70 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Data)	2
Amount strands wire (Data)	42
Diameter of single wires (Data)	0,15 mm
Conductor crosssection wire (Data)	0,75 mm²
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Electrical function wire (data)	Data
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Current load capacity min. Wire (Data)	12 A
Electrical function wire	Power
Electrical function wire (data)	Data
Electrical resistance line constant wire	26 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	26 Ω/km @ 20 °C

AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	80000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1100 FT2 | IEC 60332-2-2 | UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing | DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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