

M12 male 0° / M12 female 0° A-cod. V4A

PUR AWG24+22 shielded bk UL/CSA+drag ch. 3m

Art.No.: 7004-40531-8380300

Weight: 0.238 Country of origin: CZ

Model designation: MSBL0-A-U838 3.0-S04

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:

M12 - M12, 5-pole

Male straight - female straight

A-coded

Stainless steel 1.4404 (V4A)

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

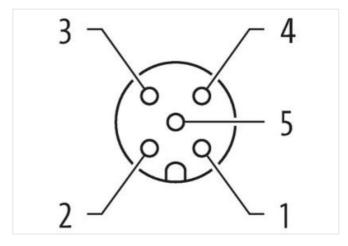
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

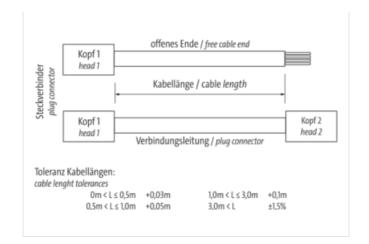
Illustration

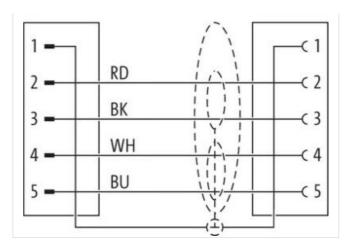


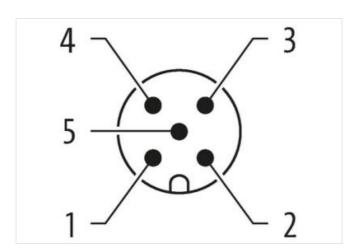


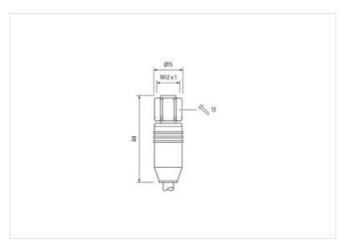


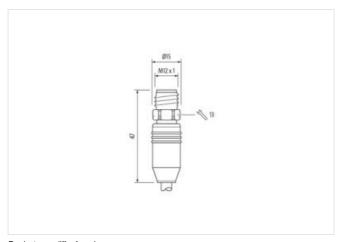
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Product may differ from Image





Cable length 3 m Side 1 0,6 Nm Tightening torque



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	5
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
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	5
Commercial data	
	27279218
ECLASS-6.0	
ECLASS-7.0 ECLASS-8.0	27279218
	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879485500
EAN	4048879485500
Packaging unit	1
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 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	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Material housing	PUR
Material gasket	FKM

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: 2025-11-10



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Locking material	Stainless steel 1.4404 (V4A)
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	
wire arrangement	(white, blue), (black, red)
Cable identification	838
Function cable	Hybrid, Data, Power
Jacket Color	black
Type of Certificate	cURus
Amount stranding	
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints around Hatchet strand twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
Cable weigth	63,12 g/m
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Drain wire (cross-section)	22 AWG
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	2,1 mm
Tolerance outer diameter wire insulation (data)	±5%
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	24 AWG
Conductor crosssection wire (Data)	24 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Material wire insulation (Power)	PE
Outer diameter wire insulation (Power)	1,5 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Ingredient freeness wire insulation (Power)	lead-free, CFC-free, halogen-free
Amount wires (Power)	2
Amount strands wire (Power)	19
Diameter of single wires (Power)	22 AWG
Wire conductor cross section (Power)	22 AWG



Material conductor wire (Power)	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire (Data)	3 A
Current carrying capacity min. wire (Power)	6 A
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance coating wire (Power)	54 Ω/km @20 °C
Electrical resistance coating wire (Data)	78 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 MΩ × km
AC withstand voltage power (wire - shield)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	1 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 m/s @ 25 °C