

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

PUR 5x0.34 shielded ye UL/CSA+drag ch. 10m

Art.No.: 7030-40521-0421000

Weight: 0.55

Country of origin: CZ

Model designation: MSBL0-A-U042_10.0-ZE-S30

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:

AIDA conform

Male straight - female straight

M12 - M12, 5-pole

shielded

Plastic housings with good resistance against chemicals and oils.

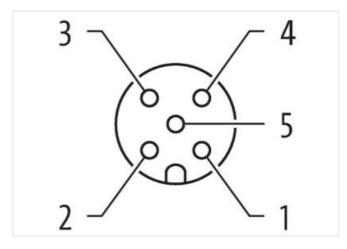
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

Link to Product

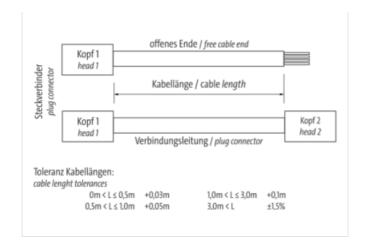
Illustration

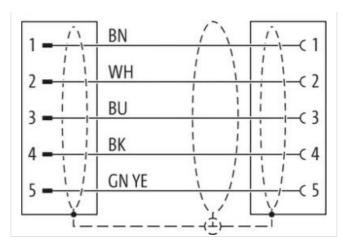


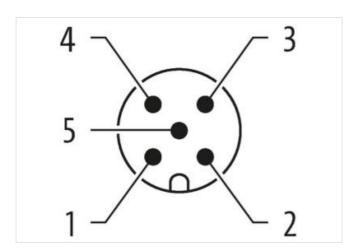


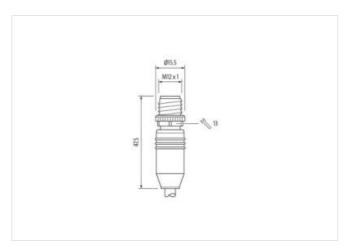


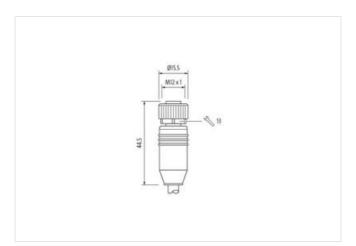
stay connected











Product may differ from Image













Cable length

10 m

Side 1

Tightening torque

0,6 Nm



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Family construction form	M12
Thread	M12 x 1
Coding	A
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
No. of poles	5
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
GTIN	4048879554411
GTIN	4048879554411
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
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
·	Nickeled
Coating locking Locking material	Zinc die-casting
	Emo dio odoning
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.
Installation Cable	



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Cable shielding (coverage) copper braid, tinned Gable shielding (coverage) 80 % Banding Fleece, Foll Filler yes wire arrangement brown, black, blue, white, green-yellow Gable weigth 57.2 pm Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 99 1 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 3,6 mm Tolarance outer diameter (sheath) 2.5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 12.5 mm Outer diameter tolerance core insulation 12.5 % Manual stands (wire) 42 Diameter of single wires 0,1 mm Conductor type (wire) 0,3 mm² Marterial conductor wire <		
Cable Type 3 Jacket Color yellow Anceut Color yellow Type of Certificate cURus Amount stranding 5 wires around Core filler twisted Cable shelding (type) copper braid, tinned Cable shelding (coverage) 80 % Banding Fleece, Foll Filler yes wive arrangement brown, black, blue, white, green-yellow Cable weight 57.2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 15.7 g/m Outer-dismeter (jacket) 5,8 mm Outer-dismeter (jacket) 5,8 mm Outer-dismeter (jacket) 1,25 mm Outer-dismeter (jacket) 1,25 mm Outer dismeter (jacket) 1,25 mm Outer dismeter insulation 1,25 mm Outer dismeter insulation 1,25 mm Outer dismeter insulation 1,25 mm Outer dismeter (jacket) 3,3 mm Ingredient freeness were insulation 1,24 mm <td< td=""><td>wire arrangement</td><td>brown, black, blue, white, green-yellow</td></td<>	wire arrangement	brown, black, blue, white, green-yellow
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Piece, Foll	Cable shielding (type)	copper braid, tinned
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Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter losarca core insulation 1,25 mm Outer diameter losarca 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 0,1 mm Conductor or sessection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV	Cable weigth	57,2 g/m
Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,6 mm	Material jacket	PUR
Outer-diameter (Jacket) 5,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter Insulation 1,25 mm Outer diameter 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 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Circent load capacity wink wire 45 A Electrical resistance line constant wire 75 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 25 % 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 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2 kV @ 60 s Electrical resistance line constant wire 4,5 A AC withstand voltage (wire - wire) 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 : 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 80 °C : 90 °C @ 10000 h Operation Fiame resistance Good, application-relat	Outer-diameter (jacket)	
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Outer diameter insulation 1,25 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 0,1 mm Conductor rossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 EC 60332-2-2 UL 1581 § 1090		PP
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Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 57 D/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 5 m @ 25 °C horizontal Traver sing distance (C-track) 5 m @ 25 °C horizontal Traver sing distance (C-track) 5 m @ 25 °C horizontal Traver speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	chemical resistance	Good, application-related testing
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No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	No. of bending cycles (C-track)	5 Mio. @ 25 °C
No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Traversing distance (C-track)	5 m @ 25 °C horizontal
Torsion stress ± 30 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min

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