

M12 male 0° / M12 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 1m

Art.No.: 7000-40010-6300100

Weight: 0.05

Country of origin: DE

Model designation: MSBL0-A-*E630 1.0-YS

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:

Further cable lengths on request. Power supply cable for Sensopart cameras M12 A-coded 12P straight <> M12 A-coded 5P straight Male straight - female straight Special pin assignment partly used

with cable sleeves

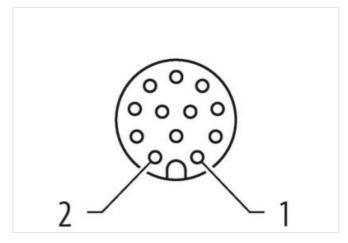
Plastic housings with good resistance against chemicals and oils.

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

Link to Product

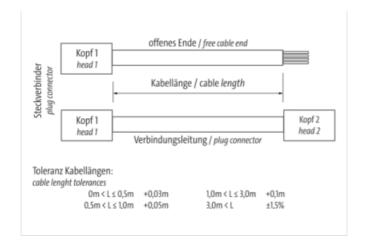
Illustration

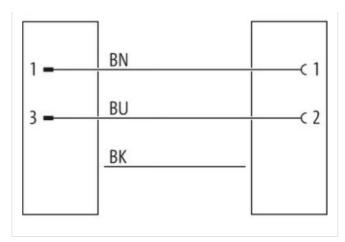


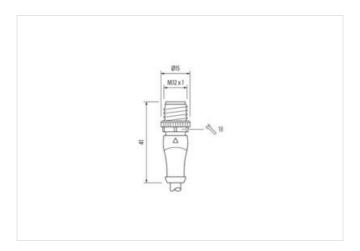


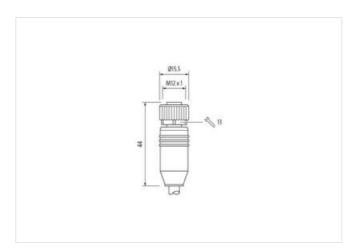


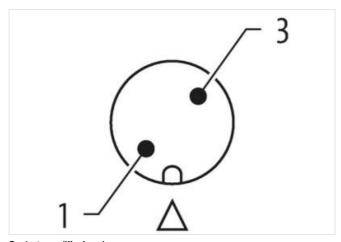
stay connected











Product may differ from Image









Cable length

1 m

Side 1

Tightening torque 0,6 Nm



stay connected

Tread	Mounting method	inserted, screwed
Tread	Family construction form	M12
Cable outlet straight Coding A Material PUR No. of poles 2 Width across flats SWI3 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tightening forque Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR No. of poles 2 Width across flats SWI3 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial date ECLASS-6. ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-1.1 27060311 ECLASS-1.2 27060311 ECLASS-1.3 27060311 ECLASS-1.4 27060311	Thread	M12 x 1
Cable outlet straight Coding A Material PUR No. of poles 2 Width across flats SWI3 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tightening forque Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR No. of poles 2 Width across flats SWI3 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial date ECLASS-6. ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-1.1 27060311 ECLASS-1.2 27060311 ECLASS-1.3 27060311 ECLASS-1.4 27060311	suitable for corrugated tube (internal Ø)	10 mm
Meterial PUR No. of poles 2 Width across flats SW13 Degree of protection (EN IEC 60529) P56, IP66K, IP67 Side 2 Tiphtening torque 0,6 Mm Mounting method inserted, screwed Family construction form M12 x Cable outlet straight Coding A Material PUR No. of poles 2 Width across flats SW13 Degree of protection (EN IEC 60529) P56, IP65K, IP67 Commercial data 27729218 ECLASS-6.0 27729218 ECLASS-7.0 27729218 ECLASS-9.1 27729218 ECLASS-9.0 27000311 ECLASS-10.1 27000311 ECLASS-10.1 27000311 ECLASS-10.2 27000311 ECLASS-10.3 27000311 ECLASS-10.4 27000311 ECLASS-10.1 2000.0031 ECLASS-10.2 27000311 ECLASS-10.3 270000311 ECLASS-10.4 <td>Cable outlet</td> <td>straight</td>	Cable outlet	straight
No. of poles 2 Width across flate SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR No. of poles 2 Wildth across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data 22729218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-1.1 27060311 ECLASS-1.2.0 27060311 ECLASS-1.1 27060311 ECLASS-1.2.0 27060311 ECLASS-1.1 406590908503 customs tarriff number 65444290 cu	Coding	A .
Width across flate SW13 Degree of protection (EN IEC 60529) P65, IP66K, IP67 Side 2 ************************************	Material	PUR
Width across flate SW13 Degree of protection (EN IEC 60529) P65, IP66K, IP67 Side 2 ************************************	No. of poles	2
Side 2 Tightening torque 0,8 km Mounting method inserted, screwed Family construction form M12 Thread M12 x1 Cable outet straight Coding A Material PUR No. of poles 2 Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial dats 27279218 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27609311 ECLASS-1.1 27060311 ECLASS-1.2 27060311 ECLASS-1.3 27060311 ECLASS-1.1 27060311 ECLASS-1.2 27060311 ECLASS-1.3 27060311 ECLASS-1.3 27060311 ECLASS-1.3 27060311 ECLASS-1.2.0 27060311 ECLASS-1.2.0 27060311 ETIM-5.0 8544290 </td <td>Width across flats</td> <td>SW13</td>	Width across flats	SW13
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Additional condition protection degree inserted, screwed	Device protection Electrical	
	Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Pollution Degree 3	Additional condition protection degree	inserted, screwed
	Pollution Degree	3



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Peted curre veltere	0.8 kV
Rated surge voltage Material group (IEC 60664-1)	I.
,	'
Mechanical data Material data	
Color housing	black
Coating locking	Nickeled
Coating of fitting	nickel plated
Color contact carrier	green
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
•	Duetoet the connective by critical and connective management and the second of the sec
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	brown, black, blue
Cable identification	630
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	26,4 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
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)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm ²
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	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s

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: 2025-05-02



Power frequency withstand voltage (wire - jacket)	2,5 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min