

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

PUR 8x0.25 ye UL/CSA+drag ch. 5m

AIDA conform

Male straight - female straight

M12 - M12, 8-pole

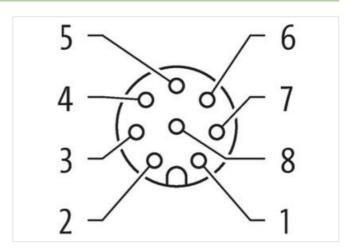
Plastic housings with good resistance against chemicals and oils.

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



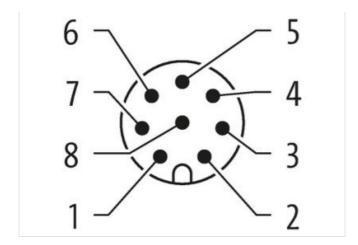


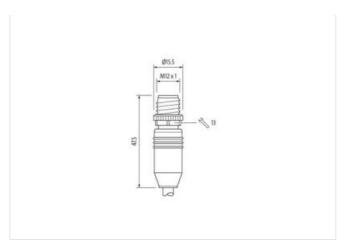
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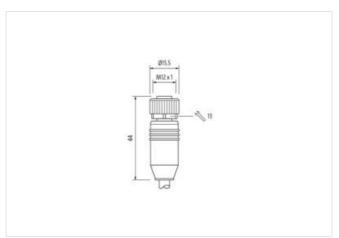
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Product may differ from Image



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 8   Width across flats SW13   Side 2 Side 2   Tightening torque 0,6 Nm   Mounting method inserted, screwed   Coating contact gold plated   Family construction form M12   Thread M12 x 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 8  Width across flats SW13  Side 2  Tightening torque 0,6 Nm  Mounting method inserted, screwed  Coating contact gold plated  Family construction form M12  Thread M12 x 1	Cable length	5 m
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 8 Width across flats SW13  Side 2  Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1	Side 1	
Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1           Coding         A           Material contact         Copper alloy           No. of poles         8           Width across flats         SW13           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1	Tightening torque	0,6 Nm
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CodingAMaterial contactCopper alloyNo. of poles8Width across flatsSW13Side 2Tightening torque0,6 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM12ThreadM12 x 1	Family construction form	M12
Material contact  No. of poles  8 Width across flats  Sw13  Side 2  Tightening torque  0,6 Nm  Mounting method  inserted, screwed  Coating contact  Family construction form  M12  Thread  Copper alloy  8  Material contact  Sw13  Sw13  Sw13  Sw13  Sw13  Sw16  Sw17  Sw17	Thread	M12 x 1
No. of poles 8 Width across flats SW13  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
Width across flats  Side 2  Tightening torque  0,6 Nm  Mounting method  Coating contact  Family construction form  M12  Thread  M12 x 1	Material contact	Copper alloy
Tightening torque 0,6 Nm  Mounting method inserted, screwed  Coating contact gold plated  Family construction form M12  Thread M12 x 1	No. of poles	8
Tightening torque 0,6 Nm  Mounting method inserted, screwed  Coating contact gold plated  Family construction form M12  Thread M12 x 1	Width across flats	SW13
Mounting method inserted, screwed  Coating contact gold plated  Family construction form M12  Thread M12 x 1	Side 2	
Coating contact         gold plated           Family construction form         M12           Thread         M12 x 1	Tightening torque	0,6 Nm
Family construction form         M12           Thread         M12 x 1	Mounting method	inserted, screwed
Thread M12 x 1	Coating contact	gold plated
	Family construction form	M12
Coding A	Thread	M12 x 1
	Coding	A

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: 2024-05-20



Material contact Copper alloy No. of poles 8 Commercial data ECLASS-6.0 27279221 ECLASS-7.0 27440104 ECLASS-8.0 27440104 ECLASS-9.0 27440102 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879700764 Packaging unit Electrical data | Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V Current operating per contact max. 2 A **Diagnostics** Status indication LED no Device protection | Electrical Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) Mechanical data Contour for corrugated hose without Mechanical data | Material data Coating locking Nickeled Material gasket FKM PUR Material housing Locking material Zinc die-casting Mechanical data | Mounting data Mounting method inserted, screwed, Shaking protection **Environmental characteristics | Climatic** -25 °C Operating temperature min. 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Conformity DIN EN 61076-2-101 (M12) Product standard Installation | Cable Cable identification 114 Cable Type 3 Jacket Color yellow Type of Certificate cURus



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Amount stranding	1
Stranding	8 wires around Core filler twisted
Filler	yes
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable weigth	51,7 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)	5,8 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	8
Outer diameter insulation	1,2 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 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
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
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min