

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

PUR 5x0.34 ye UL/CSA+drag ch. 0.3m

AIDA conform

Male straight - female straight

M12 - M12, 5-pole

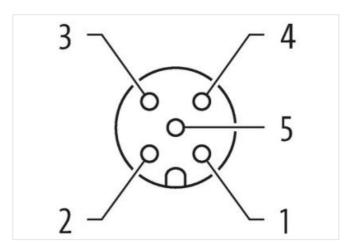
Plastic housings with good resistance against chemicals and oils.

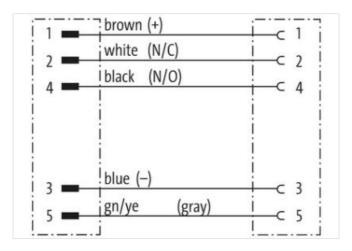
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

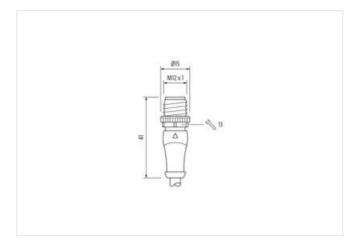
## **Link to Product**

## Illustration



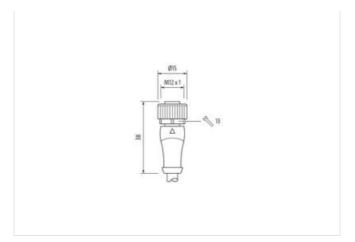


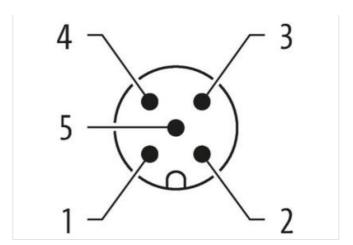






stay connected





Product may differ from Image





Mounting method     inse       Family construction form     M12       Thread     M12       suitable for corrugated tube (internal Ø)     10 r	m
Mounting method     inserting       Family construction form     M12       Thread     M12       suitable for corrugated tube (internal Ø)     10 m       Cable outlet     stra       Coding     A	
Family construction form M12  Thread M12  suitable for corrugated tube (internal Ø) 10 r  Cable outlet strat  Coding A	Nm
Thread M12 suitable for corrugated tube (internal ∅) 10 r Cable outlet stra  Coding A	erted, screwed
suitable for corrugated tube (internal ∅) 10 r Cable outlet stra Coding A	2
Cable outlet stra Coding A	2 x 1
Coding A	mm
-	aight
No. of poles 5	
Width across flats SW	/13
Degree of protection (EN IEC 60529) IP69	55, IP66K, IP67
Side 2	
Tightening torque 0,6	Nm
Mounting method inse	erted, screwed
Family construction form M12	2
	2 x 1
suitable for corrugated tube (internal Ø) 10 r	mm
Cable outlet stra	aight
Coding A	
No. of poles 5	
Width across flats SW	/13
Degree of protection (EN IEC 60529) IP68	55, IP66K, IP67
Commercial data	
ECLASS-6.0 272	279218
ECLASS-6.1 272	279218
ECLASS-7.0 272	279218
ECLASS-8.0 272	279218
ECLASS-9.0 270	060311
ECLASS-10.1 270	060311
ECLASS-11.1 270	060311
ECLASS-12.0 270	060311



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ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879482943
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
· · · ·	125 V
Operating voltage DC max.  Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
	44
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
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	
Cable identification	035
Cable Type	3
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Cable weigth	41,8 g/m
Material jacket	PUR
Shore hardness jacket	
	90 ± 5 Shore A
Freedom from ingredients (jacket)	90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Freedom from ingredients (jacket)  Outer-diameter (jacket)	
Outer-diameter (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm
Outer-diameter (jacket) Tolerance outer diameter (sheath)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 %
Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP
Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,8 mm ± 5 % PP 5



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 min. wire	4,5 A
Electrical resistance line constant wire	57 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
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