

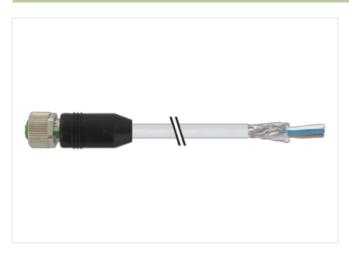
## M12 female 0° A-cod. with cable shielded

PUR 4x2x0.25 shielded gy 2m

Female straight M12, 8-pole shielded 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. Further cable lengths on request.

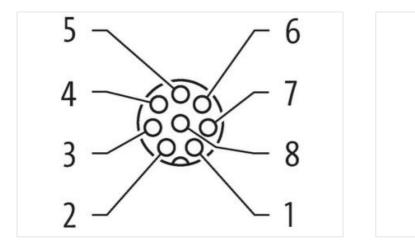
## Link to Product

Illustration



i	BN	
11	GN	
1	YE	
	GY	
1	PK	
1 1	BU	
11	RD	

N B



Product may differ from Image



Cable length

Side 1

Tightening torque

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2 m

0,6 Nm

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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Material contact	Copper alloy
Material	PUR
No. of poles	8
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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
GTIN	4065909011379
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	2 A
	27
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Material group (IEC 60664-1) Mechanical data   Material data	
	l Nickeled
Mechanical data   Material data	
Mechanical data   Material data Coating locking	Nickeled
Mechanical data   Material data Coating locking Coating of fitting	Nickeled nickel plated
Mechanical data   Material data Coating locking Coating of fitting Locking material	Nickeled nickel plated Zinc die-casting
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection	Nickeled nickel plated Zinc die-casting
Mechanical data   Material data   Coating locking   Coating of fitting   Locking material   Material screw connection   Mechanical data   Mounting data	Nickeled   nickel plated   Zinc die-casting   Zinc die-casting
Mechanical data   Material data   Coating locking   Coating of fitting   Locking material   Material screw connection   Mechanical data   Mounting data   Mounting method   Environmental characteristics   Climatic	Nickeled   nickel plated   Zinc die-casting   Zinc die-casting   inserted, screwed, Shaking protection
Mechanical data   Material data   Coating locking   Coating of fitting   Locking material   Material screw connection   Mechanical data   Mounting data   Mounting method	Nickeled   nickel plated   Zinc die-casting   Zinc die-casting
Mechanical data   Material data   Coating locking   Coating of fitting   Locking material   Material screw connection   Mechanical data   Mounting data   Mounting method   Environmental characteristics   Climatic   Operating temperature min.	Nickeled   nickel plated   Zinc die-casting   Zinc die-casting   inserted, screwed, Shaking protection   -25 °C
Mechanical data   Material data   Coating locking   Coating of fitting   Locking material   Material screw connection   Mechanical data   Mounting data   Mounting method   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Additional condition temperature range	Nickeled   nickel plated   Zinc die-casting   Zinc die-casting   inserted, screwed, Shaking protection   -25 °C   85 °C
Mechanical data   Material data   Coating locking   Coating of fitting   Locking material   Material screw connection   Mechanical data   Mounting data   Mounting method   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Additional condition temperature range   Important installation notes	Nickeled   nickel plated   Zinc die-casting   Zinc die-casting   inserted, screwed, Shaking protection   -25 °C   85 °C   depending on cable quality
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Mechanical data   Material data   Coating locking   Coating of fitting   Locking material   Material screw connection   Mechanical data   Mounting data   Mounting method   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Additional condition temperature range   Important installation notes   Note on strain relief   Note on bending radius   Conformity	Nickeled   nickel plated   Zinc die-casting   Zinc die-casting   inserted, screwed, Shaking protection   -25 °C   85 °C   depending on cable quality   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 endangered by excessive bending forces.
Mechanical data   Material data   Coating locking   Coating of fitting   Locking material   Material screw connection   Mechanical data   Mounting data   Mounting method   Environmental characteristics   Climatic   Operating temperature min.   Operating temperature max.   Additional condition temperature range   Important installation notes   Note on strain relief   Note on bending radius	Nickeled   nickel plated   Zinc die-casting   Zinc die-casting   inserted, screwed, Shaking protection   -25 °C   85 °C   depending on cable quality   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

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Cable identification

286

Jacket Color	gray
Amount stranding	gray 4
Stranding	2 wires twisted
Amount stranding (type 2)	
Stranding (type 2)	4 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)
Cable weigth	74,8 g/m
Material jacket	TPU
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Outer-diameter (jacket)	7,1 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	65 ± 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 <sup>2</sup>
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	3 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	90 °C
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 (installation)	x Outer diameter
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter

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