

## M12 male 90° / M8 female 0° A-cod.

PVC 3x0.25 bk UL/CSA 1m

Male 90° – female straight

M12 - M8, 3-pole

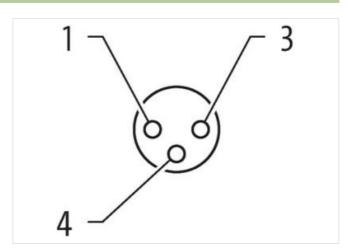
Plastic housings with good resistance against chemicals and oils.

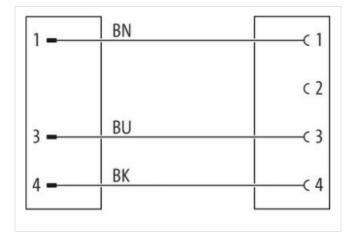
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

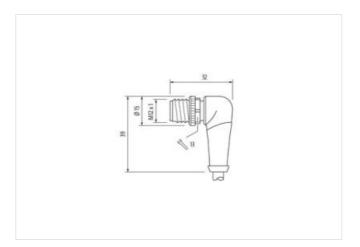
## **Link to Product**

## Illustration



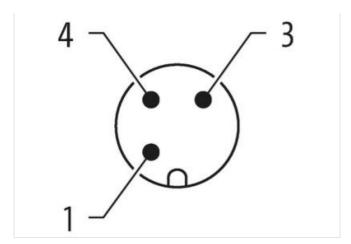


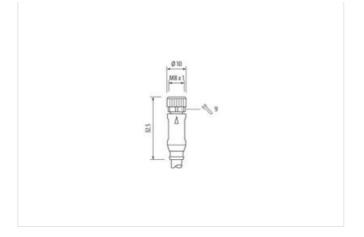






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Product may differ from Image



Cable length









Side 1   Tightening torque	Cable leffgill	1 111
Mounting method   Inserted, screwed	Side 1	
Family construction form         M12           Thread         M12 x 1           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP66K, IP67           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           Material         PUR           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         E001855           customs tariff number         85444290           GTIN         4048879285001           Packaging unit         1           Electrical data   Supply           Operat	Tightening torque	0,6 Nm
Thread	Mounting method	inserted, screwed
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP66K, IP67           Side 2         Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           Material         PUR           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECHMS-12.0         27060311	Family construction form	M12
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP66K, IP67           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           Material         PUR           Width across flats         SW9           Degree of protection (EN IEC 60529)         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         4048879285001           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V	Thread	M12 x 1
Degree of protection (EN IEC 60529)   IP66K, IP67	Material	PUR
Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           Material         PUR           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           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         4048879285001           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V	Width across flats	SW13
Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           Material         PUR           Width across flats         SW9           Degree of protection (EN IEC 60529)         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           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879285001           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V	Degree of protection (EN IEC 60529)	IP66K, IP67
Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           Material         PUR           Width across flats         SW9           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data         ECLASS-6.0           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         4048879285001           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V	Side 2	
Family construction form         M8           Thread         M8 x 1           Material         PUR           Width across flats         SW9           Degree of protection (EN IEC 60529)         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         4048879285001           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V	Tightening torque	0,4 Nm
Thread M8 x 1  Material PUR  Width across flats SW9  Degree of protection (EN IEC 60529) 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-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	Mounting method	inserted, screwed
Material         PUR           Width across flats         SW9           Degree of protection (EN IEC 60529)         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         4048879285001           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V	Family construction form	M8
Width across flats         SW9           Degree of protection (EN IEC 60529)         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         4048879285001           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V	Thread	M8 x 1
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         4048879285001           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V	Material	PUR
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       4048879285001         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       250 V	Width across flats	SW9
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 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	Degree of protection (EN IEC 60529)	IP66K, IP67
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 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	Commercial data	
ECLASS-9.0 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 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	ECLASS-6.0	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 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	ECLASS-7.0	27279218
ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	ECLASS-8.0	27279218
ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879285001         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       250 V	ECLASS-9.0	27060311
ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879285001         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       250 V	ECLASS-10.1	27060311
ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	ECLASS-11.1	27060311
customs tariff number 85444290 GTIN 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	ECLASS-12.0	27060311
GTIN 4048879285001  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V	customs tariff number	85444290
Electrical data   Supply  Operating voltage AC max. 250 V	GTIN	4048879285001
Operating voltage AC max. 250 V	Packaging unit	1
	Electrical data   Supply	
Operating voltage DC max. 250 V		250 V
	Operating voltage DC max.	250 V

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: 2024-04-25



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Current operating per contact max.	4 A
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	1,5 kV
	1,5 KV
Mechanical data   Material data	
Coating of fitting	nickel plated
Material screw connection	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
Installation   Cable	
Cable identification	610
Cable Type	1
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
	brown, black, blue
wire arrangement  Cable weigth	29,37 g/m
Material jacket	PVC
	85 ± 5 Shore A
Shore hardness jacket	lead-free, cadmium-free, CFC-free, silicone-free
Freedom from ingredients (jacket)	
Outer-diameter (jacket)	4,5 mm
Tolerance outer diameter (sheath)	± 5 % PVC
Material wire insulation	3
Amount wires	
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	80 °C
Operating temperature max. (dynamic)	
UV resistance	DIN EN ISO 4892-2 A



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