

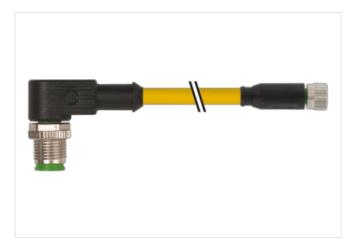
## M12 male 90° / M8 female 0° A-cod.

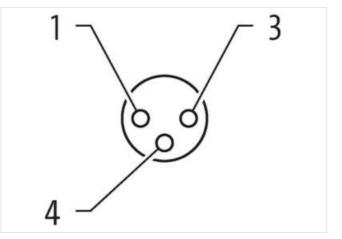
PUR 3x0.25 ye UL/CSA+robot+drag ch. 1.5m

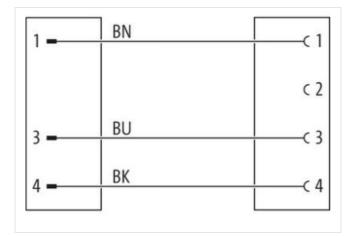
Male 90° – female straight M12 – M8, 3-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

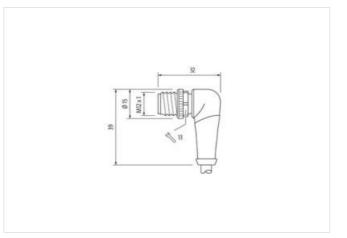
## Link to Product

Illustration





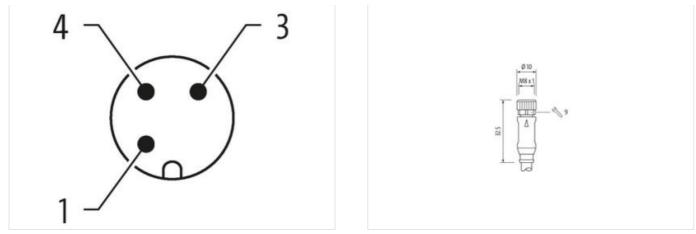




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Murrelektronik GmbH | Office Park 4, 4.0G/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at





Product may differ from Image



Mounting method     inserted, screwed       Family construction form     M12       Thread     M12 x 1       Material     PUR       Width across flats     SW13       Degree of protection (EN IEC 60529)     IP66K, IP67       Side 2        Uniting 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     PUR       Width across flats     SW9       Degree of protection (EN IEC 60529)     IP66K, IP67       Commercial data     PUR       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-10.1     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001855       customs tariff number     85444290       GTIN		
Tiphening torque     0.6 Nm       Mounting method     inserted, screwed       Family construction form     M12       Thread     M12 × 1       Material     PUR       With across flats     SW13       Degree of protection (EN IEC 60529)     IP66K, IP67       Side 2        Uning torque     0.4 Nm       Mounting method     inserted, screwed       Family construction form     M8       Thread     M8 × 1       Material     PUR       With across flats     SW9       Degree of protection (EN IEC 60529)     IP66K, IP67       Commercial data     PUR       With across flats     SW9       Degree of protection (EN IEC 60529)     IP66K, IP67       Commercial data     SUP3       ECLASS - 0.     27279218       ECLASS - 7.0     27279218       ECLASS - 10.1     27060311       ECLASS - 10.1     27060311       ECLASS - 11.1     27060311       ECLASS - 11.1     27060311       ECLASS - 11.1     27060311       ECL	Cable length	1,5 m
Mounting method     inserted, screwed       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       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     PUR       Width across flats     SW9       Degree of protection (EN IEC 60529)     IP66K, IP67       Commercial data     PUR       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27260311       ECLASS-10.1     27060311       ECLASS-10.1     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311	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       Mutining 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     PUR       ECLASS 6.0     27279218       ECLASS 6.0     27269218       ECLASS 6.0     27269218       ECLASS 6.0     27269218       ECLASS 6.0     27269218       ECLASS 6.0     27060311       ECLASS 6.0     27060311       ECLASS 1.1     27060311       ECLASS 1.1     27060311       ECLASS 1.1     27060311	Tightening torque	0,6 Nm
Thread     M12 x 1       Material     PUR       Width across flats     SW13       Degree of protection (EN IEC 60529)     IP66K, IP67       Side 2	Mounting method	inserted, screwed
Material     PUR       Width across flats     SW13       Degree of protection (EN IEC 60529)     IP66K, IP67       Side 2     Press       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     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-10.1     27060311       ECLASS-10.1     27060311       ECLASS-10.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC0011855       coustoms tariff number     8544290       GTIN     404887158947       Packaging unit     1       Electrical data   Supply     1       Operating voltage AC max.	Family construction form	M12
Widh across flats     SW13       Degree of protection (EN IEC 60529)     IP66K, IP67       Side 2     IP68K, IP67       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     Z7279218       ECLASS-6.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-1.1     27060311       ECLASS-1.2     27080311       ECIASS-1.2     27080311       ECIASS-1.1     27060311       ECIASS-1.2     27080311       ECIASS-1.2     2701865	Thread	M12 x 1
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       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-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.2     27060311       ECLASS-1.1     27060311       ETIM-5.0     ECO01855       customs tariff number     85444290       GTIN     4048879158947       Packaging unit     1       Electrical data   Supply     Jone       Operating voltage AC max.     250 V	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       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     ECO01855       customs tariff number     85444290       GTIN     4048879158947       Packaging unit     1       Electrical data   Supply     205 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       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0.1     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4048879158947       Packaging unit     1       Electrical data   Supply     Jone       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-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     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     404879158947       Packaging unit     1       Electrical data   Supply     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       ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4048879158947       Packaging unit     1       ELectrical data   Supply     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-12.0     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4048879158947       Packaging unit     1       Electracial data [supply     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     ECON1855       customs tariff number     85444290       GTIN     4048879158947       Packaging unit     1       Electrical data   Supply     250 V	Family construction form	M8
Width across flats     SW9       Degree of protection (EN IEC 60529)     IP66K, IP67       Commercial data     E       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     4048879158947       Packaging unit     1       Electrical data   Supply     250 V	Thread	M8 x 1
Degree of protection (EN IEC 60529)     IP66K, IP67       Commercial data     ECLASS-6.0     27279218       ECLASS-7.0     27279218     27279218       ECLASS-8.0     27279218     27260311       ECLASS-9.0     27060311     27060311       ECLASS-10.1     27060311     27060311       ECLASS-11.1     27060311     27060311       ECLASS-12.0     27060311     27060311       ETIM-5.0     EC001855     2001855       customs tariff number     85444290     2011       GTIN     4048879158947     200       Packaging unit     1     200       Electrical data   Supply     250 V     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     4048879158947       Packaging unit     1       Electrical data   Supply     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     4048879158947       Packaging unit     1       Electrical data   Supply     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   4048879158947     Packaging unit   1     Electrical data   Supply   250 V	Commercial data	
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   4048879158947     Packaging unit   1     Electrical data   Supply   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   4048879158947     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   4048879158947     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   4048879158947     Packaging unit   1     Electrical data   Supply   250 V	ECLASS-9.0	27060311
ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4048879158947       Packaging unit     1       Electrical data   Supply     250 V	ECLASS-10.1	27060311
ETIM-5.0EC001855customs tariff number85444290GTIN4048879158947Packaging unit1Electrical data   SupplyOperating voltage AC max.250 V	ECLASS-11.1	27060311
customs tariff number 85444290   GTIN 4048879158947   Packaging unit 1   Electrical data   Supply   Operating voltage AC max. 250 V	ECLASS-12.0	27060311
GTIN 4048879158947   Packaging unit 1   Electrical data   Supply 250 V	ETIM-5.0	EC001855
Packaging unit 1   Electrical data   Supply   Operating voltage AC max. 250 V	customs tariff number	
Electrical data   Supply   Operating voltage AC max. 250 V	GTIN	4048879158947
Operating voltage AC max. 250 V	Packaging unit	1
	Electrical data   Supply	
Operating voltage DC max. 250 V	Operating voltage AC max.	250 V
	Operating voltage DC max.	250 V

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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
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
Important installation notes	
•	Distant the connectors by suitable measures from machanical loads, a.g. by the usage of cable tice
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.
Installation   Cable	
wire arrangement	brown, black, blue
Cable identification	050
Cable Type	5
Jacket Color	yellow
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	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,3 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	74 ± 3 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	4,5 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

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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
Welding spark resistance	Good, application-related testing
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)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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