

## Y-Distributor M12 male / M12 female 0° A-cod.

PUR 3x0.34 bk UL/CSA+drag ch. 1m

Y-connector M12 – M12, 4-pole Male straight – females straight bridged

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

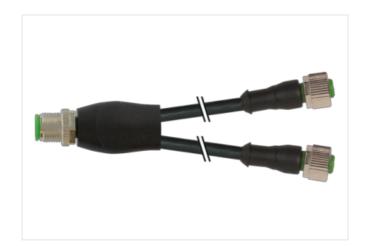
Plastic housings with good resistance against chemicals and oils.

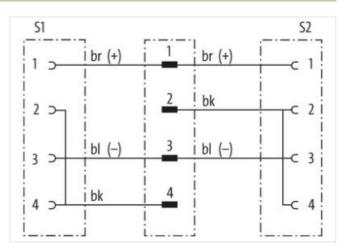
The resistance to aggressive media should be individually tested for your application. Further details on request.

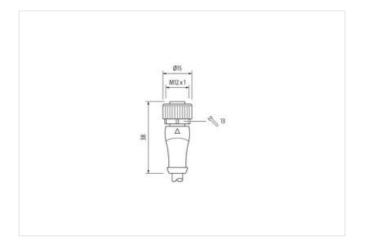
Further cable lengths on request.

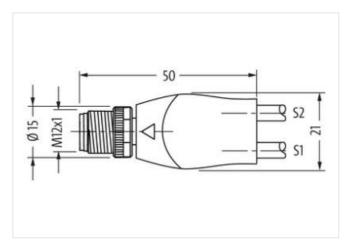
## **Link to Product**

## Illustration

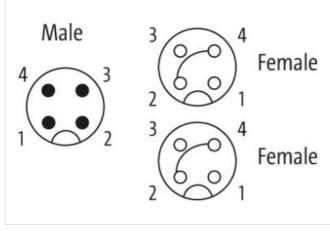












Product may differ from Image





Tightering torque	Cable length	1 m
Mounting method   Inserted, screwed	Side 1	
Family construction form M12  Thread M12 x 1  suitable for corrugated tube (internal Ø) 10 mm  Coding A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 2  Tightening torque 0,8 Nm  Mounting method inserted, screwed  Family construction form M12  Thread M12 x 1  Coding A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 3  Family construction form M12  Thread M12 x 1  Coding A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 3  Family construction form M12  Coding A  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-9.0 27760311  ECLASS-10.1 27060313  ECLASS-11.1 27060313  ECLASS-12.0 27060313  ECLASS-12.0 27060313	Tightening torque	0,6 Nm
Thread M12 x 1  suitable for corrugated tube (internal Ø) 10 mm  Coding A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 2  Tightening torque 0,6 Nm  Mounting method inserted, screwed  Family construction form M12  Thread M12 x 1  Coding A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 3  Family construction form M12  Thread M12 x 1  Coding A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 3  Family construction form M12  Coding A  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060313  ECLASS-11.1 27060313  ECLASS-12.0 27060313	Mounting method	inserted, screwed
suitable for corrugated tube (internal O)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3           Family construction form         M12           Coding         A           Coding         A           Coding         A           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313	Family construction form	M12
Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Tightening torque           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3           Family construction form         M12           Coding         A           Coding         A           Coding         A           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-12.0         27060313           ECLASS-12.0         27060313	Thread	M12 x 1
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3           Family construction form         M12           Coding         A           Coding         A           Coding           A         Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313	suitable for corrugated tube (internal Ø)	10 mm
Wridth across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3         Family construction form         M12           Coding         A	Coding	A
Degree of protection (EN IEC 60529)   IP65, IP66K, IP67	Material	PUR
Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3         Family construction form           Family construction form         M12           Coding         A           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-11.1         27060313           ECLASS-12.0         27060313		
Tightening torque 0,6 Nm  Mounting method inserted, screwed  Family construction form M12  Thread M12 x 1  Coding A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 3  Family construction form M12  Coding A  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060313  ECLASS-11.1 27060313  ECLASS-12.0 27060313	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3           Family construction form         M12           Coding         A           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313	Side 2	
Family construction form         M12           Thread         M12 x 1           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3           Family construction form         M12           Coding         A           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313	Tightening torque	0,6 Nm
Thread M12 x 1  Coding A  Material PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 3  Family construction form M12  Coding A  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060313  ECLASS-11.1 27060313  ECLASS-12.0 27060313	Mounting method	inserted, screwed
Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3           Family construction form         M12           Coding         A           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313	Family construction form	M12
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3           Family construction form         M12           Coding         A           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313	Thread	M12 x 1
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 3           Family construction form         M12           Coding         A           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313	Coding	A
Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Side 3         Family construction form       M12         Coding       A         Commercial data         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060313         ECLASS-11.1       27060313         ECLASS-12.0       27060313		PUR
Side 3           Family construction form         M12           Coding         A           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313		SW13
Family construction form M12  Coding A  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060313  ECLASS-11.1 27060313  ECLASS-12.0 27060313	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Coding         A           Commercial data         ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060313           ECLASS-11.1         27060313           ECLASS-12.0         27060313	Side 3	
Commercial data       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060313       ECLASS-11.1     27060313       ECLASS-12.0     27060313	Family construction form	M12
ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060313  ECLASS-11.1 27060313  ECLASS-12.0 27060313	Coding	A
ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060313         ECLASS-11.1       27060313         ECLASS-12.0       27060313	Commercial data	
ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060313       ECLASS-11.1     27060313       ECLASS-12.0     27060313	ECLASS-6.0	27279218
ECLASS-9.0     27060311       ECLASS-10.1     27060313       ECLASS-11.1     27060313       ECLASS-12.0     27060313	ECLASS-7.0	27279218
ECLASS-10.1 27060313 ECLASS-11.1 27060313 ECLASS-12.0 27060313	ECLASS-8.0	27279218
ECLASS-11.1 27060313 ECLASS-12.0 27060313	ECLASS-9.0	27060311
ECLASS-12.0 27060313		27060313
	ECLASS-11.1	27060313
ETIM-5.0 EC001855	ECLASS-12.0	27060313
	ETIM-5.0	EC001855

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stay connected

customs tariff number	85444290
GTIN	4048879156868
Packaging unit	1
Electrical data   Supply	<u>'</u>
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
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	
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	5.11. 2.1. 0.1.0.70 2.10.1 (III.12)
·	202
Cable identification	633
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding Stranding	1 2 wives twisted
Stranding	3 wires twisted
wire arrangement  Traversing distance (C-track)	brown, black, blue  10 m @ 25 °C   horizontal
Cable weigth	29,7 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)	4,1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP 2
Amount wires	3

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Outer diameter insulation	1,25 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)	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	6 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
UV resistance	DIN EN ISO 4892-2 A
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	Good, application-related testing   DIN EN 60811-404
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