

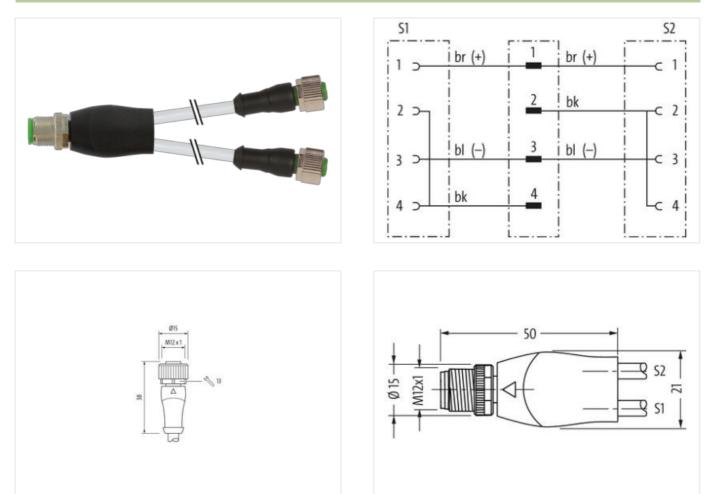
## Y-Distributor M12 male / M12 female 0° A-cod.

PUR 3x0.34 gy UL/CSA+robot+drag ch. 0.6m

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.

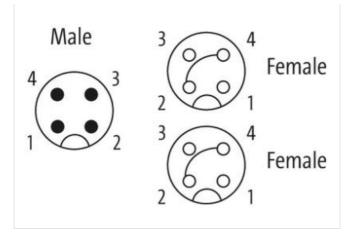
## Link to Product

Illustration



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Product may differ from Image



Side 1         Tightening torque       0.6 Nm         Mounting method       inserted, screwed         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         Tightening torque       0.6 Nm         Mounting method       inserted, screwed         Family construction form       M12         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)       IP66, IP67         Side 3       Side 3         Family construction form       M10
Mounting method       inserted, screwed         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         Mounting method       inserted, screwed         Family construction form       M12         Thread       M12         Vight across flats       SW13         Degree of protection form       M12         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       Side 3
Family construction formM12ThreadM12 x 1suitable for corrugated tube (internal Ø)10 mmCodingAMaterialPURWidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2Tightening torque0,6 NmMounting methodinserted, screwedFamily construction formM12ThreadM12 x 1CodingAMaterialPURSide 2VSide 3SW13Side 3<
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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       Side 3
Tightening torque0,6 NmMounting methodinserted, screwedFamily construction formM12ThreadM12 x 1CodingAMaterialPURWidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 3
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
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Coding     A       Material     PUR       Width across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Side 3
Material     PUR       Width across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Side 3     Supervision
Width across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Side 3     Side 3
Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 3
Side 3
Family assessment in form
Family construction form M12
Coding A
Commercial data
ECLASS-6.0 27061801
customs tariff number 85444290
Packaging unit 1
Electrical data   Supply
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

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Installation   Connection	
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)	
Mechanical data   Material data	
Coating locking	safe-cover coated
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
5	
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	253
	5
Cable Type Jacket Color	
Type of Certificate	gray cURus
Amount stranding	1
ŏ	
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth Material jacket	29,7 g/m PUR
	58 ± 3 Shore D
Shore hardness jacket Freedom from ingredients (jacket)	58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,3 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	т 5 % РР
Amount wires	3
Outer diameter insulation	3 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)	42
Diameter of single wires	4∠ 0,1 mm
	0,1 mm 0,34 mm <sup>2</sup>
Conductor crosssection (wire) Material conductor wire	Stranded copper wire, bare

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Traversing distance (C-track)	5 m @ 25 °C   horizontal
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	60 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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
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	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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