

M12 male 0° / M12 female 0° A-cod.

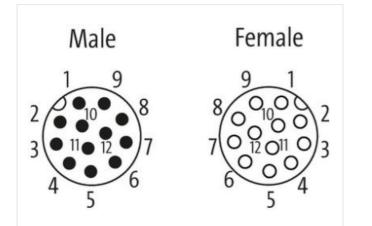
PUR 12x0.25 gy UL/CSA+robot+drag ch. 0.2m

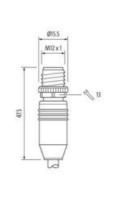
Male straight – female straight M12 – M12, 12-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product



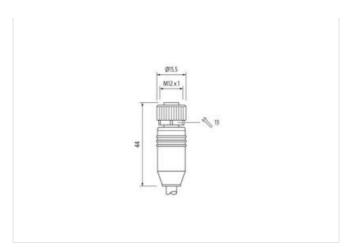
1 -	? brown !	c 1 !
2 -	blue	c 2
3	i white i	—c 3 i
4 -	green	4 !
5 -	pink	
6 -	yellow	
7 -	black	-c 7
8 💻	i gray i	—c 8 i
9 💻	red	e 9
10 -	i violet i	
11 -	gray/pink	—c 11
12 -	red/blue	c 12





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: 2024-05-10





Product may differ from Image



Side 1 Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Width across flats SW13 Side 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Thread M12 x 1 Commercial data M12 x 1 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-6.0 27279218 ECLASS-6.0 27279218 ECLASS-6.0 27279218 ECLASS-6.1 27060311 ECLASS-6.0 27279218 ECLASS-6.1 27060311 ECLASS-1.1 27060311 ECLASS-1.2.0 27060311 ECLASS-1.2.0 27060311 ETIM-5.0 ECO011855 customs taiff number 8544290 GTIN 4048879658736 Packaging unit 1 Electrical data [Supply 30 V Operating voltage AC max.		
Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Witch across flats SW13 Side 2 Image and the screwed Tightening torque 0.6 Nm Mounting method inserted, screwed Thread M12 x 1 Commercial data 27279218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECO01855 cuastons tariff number 8544290 GTIN 4048879585736 Packaging unit 1 Electrical dat Supply 30 V Operating voltage AC (ul listed) 30 V Operating voltage AC (ul listed	Cable length	0,2 m
Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Width across flats SW13 Side 2 T Tightening torque 0,6 Nm Mounting method inserted, screwed Thread M12 x 1 Commercial data T ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-6.1 27279218 ECLASS-6.1 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27260311 ECLASS-7.0 27060311 ECLASS-7.0.1 27060311 ECLASS-7.0 27060311 ECLASS-7.0 ECO000000000000000000000000000000000000	Side 1	
Family construction form M12 Thread M12 x 1 Width across flats SW13 Side 2	Tightening torque	0,6 Nm
Thread M12 x 1 Width across flats SW13 Side 2	Mounting method	inserted, screwed
Width across flats SW13 Side 2	Family construction form	M12
Side 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Thread M12 x 1 Commercial data ECLASS-6.0 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 EC001855 customs tariff number 85444290 GTIN 4048879568736 Packaging unit 1 Electrical data Supply Supv Operating voltage AC max. 30 V Operating voltage AC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V	Thread	M12 x 1
Tightening torque 0.6 Nm Mounting method inserted, screwed Thread M12 x 1 Commercial data 27279218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 custom tariff number 85444290 GTIN 404879585736 Packaging unit 1 Electrical data Supply Operating voltage AC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V	Width across flats	SW13
Mounting method inserted, screwed Thread M12 x 1 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 ECLASS-7.0 27279218 ECLASS-8.0 ECLASS-8.0 27279218 ECLASS-8.0 ECLASS-9.0 27060311 ECLASS-9.0 ECLASS-10.1 27060311 ECLASS-10.1 ECLASS-12.0 EC001855 Ecustoms tariff number B5444290 GTIN 4048879585736 Packaging unit 1 Electrical data Supply Operating voltage AC max. 30 V Operating voltage DC max. Operating voltage DC max. 30 V Operating voltage DC (UL-listed) Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) <td>Side 2</td> <td></td>	Side 2	
Thread M12 x 1 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 27279218 ECLASS-7.0 27279218 27279218 ECLASS-8.0 27279218 27060311 ECLASS-9.0 27060311 27060311 ECLASS-10.1 27060311 27060311 ECLASS-12.0 27060311 27060311 Customs tariff number 85444290 200 GTIN 4048879585736 200 Packaging unit 1 1 Electrical data Supply 200 200 Operating voltage AC (uL-listed) 30 V 200 Operating voltage AC (uL-listed) 3	Tightening torque	0,6 Nm
Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-3.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060315 ECLASS-12.0 27060315 GTIN 404879585736 Packaging unit 1 Electrical data Supply 200 <td>Mounting method</td> <td>inserted, screwed</td>	Mounting method	inserted, screwed
ECLASS-6.0 27279218 ECLASS-6.1 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 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879585736 Packaging unit 1 Etertical data Supply 30 V Operating voltage AC max. 30 V Operating voltage AC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating vol	Thread	M12 x 1
ECLASS-6.1 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 4048879585736 Packaging unit 1 Electrical data Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage DC (UL-listed) 30 V Op	Commercial data	
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 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879585736 Packaging unit 1 Electrical data Supply 90 V Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Operating voltage DC (UL-listed) 30 V Operetertion Electri	ECLASS-6.0	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 4048879585736 Packaging unit 1 Electrical data Supply 30 V Operating voltage AC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Device protection Electrical 1	ECLASS-6.1	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 4048879585736 Packaging unit 1 Electrical data Supply 90 V Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Device protection Electrical Electrical	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 4048879585736 Packaging unit 1 Electrical data Supply 90 V Operating voltage AC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Device protection Electrical 1,5 A	ECLASS-8.0	27279218
ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879585736 Packaging unit 1 Electrical data Supply 30 V Operating voltage AC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC max. 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage PC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Device protection Electrical 1,5 A	ECLASS-9.0	27060311
ECLASS-12.027060311ETIM-5.0EC001855customs tariff number85444290GTIN4048879585736Packaging unit1Electrical data SupplyOperating voltage AC max.30 VOperating voltage DC max.30 VOperating voltage AC (UL-listed)30 VOperating voltage DC (UL-listed)30 VCurrent operating per contact max.1,5 ADevice protection Electrical	ECLASS-10.1	27060311
ETIM-5.0EC001855customs tariff number85444290GTIN4048879585736Packaging unit1Electrical data Supply30 VOperating voltage AC max.30 VOperating voltage DC max.30 VOperating voltage AC (UL-listed)30 VOperating voltage DC (UL-listed)30 VCurrent operating per contact max.1,5 ADevice protection Electrical	ECLASS-11.1	27060311
customs tariff number85444290GTIN4048879585736Packaging unit1Electrical data Supply30 VOperating voltage AC max.30 VOperating voltage DC max.30 VOperating voltage AC (UL-listed)30 VOperating voltage DC (UL-listed)30 VCurrent operating per contact max.1,5 ADevice protection Electrical	ECLASS-12.0	27060311
GTIN4048879585736Packaging unit1Electrical data Supply30 VOperating voltage AC max.30 VOperating voltage DC max.30 VOperating voltage AC (UL-listed)30 VOperating voltage DC (UL-listed)30 VCurrent operating per contact max.1,5 ADevice protection Electrical	ETIM-5.0	EC001855
Packaging unit 1 Electrical data Supply 0 Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Device protection Electrical V	customs tariff number	85444290
Electrical data Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating per contact max. 1,5 A Device protection Electrical	GTIN	4048879585736
Operating voltage AC max. 30 V Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Device protection Electrical V	Packaging unit	1
Operating voltage DC max. 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Device protection Electrical Image: Contact max in the second sec	Electrical data Supply	
Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Device protection Electrical Image: Context max in the second	Operating voltage AC max.	30 V
Operating voltage DC (UL-listed) 30 V Current operating per contact max. 1,5 A Device protection Electrical Image: Content of the second	Operating voltage DC max.	30 V
Current operating per contact max. 1,5 A Device protection Electrical	Operating voltage AC (UL-listed)	30 V
Device protection Electrical	Operating voltage DC (UL-listed)	30 V
	Current operating per contact max.	1,5 A
Degree of protection (EN IEC 60529) IP65. IP67. IP68. IP66K	Device protection Electrical	
······································	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K

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: 2024-05-10



Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	safe-cover coated
Locking material	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	
Cable identification	302
Cable Type	1
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	9 wires around Stranding combination twisted
wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Traversing distance (C-track)	5 m @ 25 °C horizontal
Cable weigth	71,5 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)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	12
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 ²
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)	2.5 kV @ 60 s

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: 2024-05-10



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	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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)	5 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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: 2024-05-10