

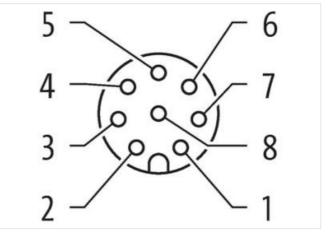
## M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 gy UL/CSA+drag ch. 22m

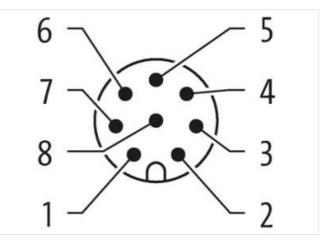
Male straight – female straight M12 – M12, 8-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



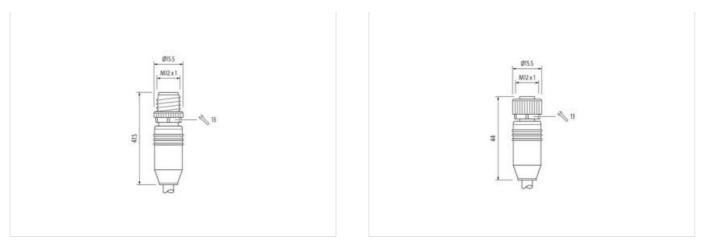


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Product may differ from Image



Side 1       Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M12       Material contact     Copper alloy       No. of poles     8       Side 2     Side 2       Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M12       Material contact     Copper alloy       No. of poles     8       Coating contact     gold plated       Family construction form     M12       Material contact     Copper alloy       No. of poles     8       Commercial data     Copper alloy       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-10.1     27060311       ECLASS-10.1     27060311       ECLASS-10.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     8544290       GTIN     4048879917127       Packaging unit     1       Electrical data   Supply     Jol       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V	Cable length	22 m
Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Side 2	Side 1	
Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Side 2	Mounting method	inserted, screwed
Material contactCopper alloyNo. of poles8Side 2Mounting methodinserted. screwedCoating contactgold platedFamily construction formM12Material contactCopper alloyNo. of poles8Commercial dataECLASS-6.027279218ECLASS-6.127279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-9.027060311ECLASS-9.027060311ECLASS-1.127060311ECLASS-1.227060311ECLASS-1.227060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.230 VOperating voltage DC max.30 VOperating voltage DC max.30 VDevice protection   Electrical	Coating contact	gold plated
No. of poles       8         Side 2       Mounting method         Coating contact       gold plated         Family construction form       M12         Material contact       Copper alloy         No. of poles       8         Commercial data       ECLASS-6.0         ECLASS-6.1       27279218         ECLASS-6.1       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         Coperating voltage AC max. <td< td=""><td>Family construction form</td><td>M12</td></td<>	Family construction form	M12
Side 2         Solid 2         Mounting method       inserted, screwed         Coating contact       gold plated         Family construction form       M12         Material contact       Copper alloy         No. of poles       8         Commercial data       ECLASS-6.0         ECLASS-6.1       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       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         ETIM-5.0       EC001855         customs tariff number       8544290         GTIN       4048879817127         Packaging unit       1         Electrical data   Supply       Operating voltage AC max.       30 V         Operating voltage DC max.       30 V	Material contact	Copper alloy
Mounting methodinserted, screwedCoating contactgold platedFamily construction formM12Material contactCopper alloyNo. of poles8Commercial data27279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-9.027060311ECLASS-10.127060311ECLASS-11.127060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-13.127060311ECLASS-14.027060311ECLASS-15.0ECO01855customs tariff number85444290GTIN4048879817127Packaging unit1Electrical data   SupplyOperating voltage AC max.30 VDevice protection   Electrical	No. of poles	8
Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879817127           Packaging unit         1           Electrical datal Supply         Operating voltage AC max.           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	Side 2	
Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data         ECLASS-6.0           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         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         4048879817127           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Q0 V         20 V           Operating voltage DC max.         30 V           Device protection   Electrical         20 V	Mounting method	inserted, screwed
Material contact         Copper alloy           No. of poles         8           Commercial data         ECLASS-6.0           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.2.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879817127           Packaging unit         1           Electrical data   Supply         0V           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	Coating contact	gold plated
No. of poles         8           Commercial data         ECLASS-6.0         27279218           ECLASS-6.1         27279218         ECLASS-7.0           ECLASS-7.0         27279218         ECLASS-7.0           ECLASS-8.0         27279218         ECLASS-8.0           ECLASS-9.0         27060311         ECLASS-10.1           ECLASS-10.1         27060311         ECLASS-11.1           ECLASS-12.0         27060311         ECOMBES5           customs tariff number         85444290         GTIN           GTIN         4048879817127         Packaging unit           Packaging unit         1         Etectrical data   Supply           Operating voltage AC max.         30 V         Operating voltage DC max.           Bovice protection   Electrical         20 V         Operating voltage DC max.	Family construction form	M12
Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         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         4048879817127           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	Material contact	Copper alloy
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         1           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           Eclass-12.0         27060311           Eclass-12.0         27060311           Eclass-12.0         Eco01855           customs tariff number         85444290           GTIN         4048879817127           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Device protection   Electrical         S0 V	No. of poles	8
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         ETIM-5.0       EC01855         customs tariff number       85444290         GTIN       4048879817127         Packaging unit       1         Electrical data   Supply       30 V         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V	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           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879817127           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V	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       4048879817127         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V         Device protection   Electrical	ECLASS-6.1	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         4048879817127           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V           Device protection   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       4048879817127         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V         Device protection   Electrical	ECLASS-8.0	27279218
ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879817127         Packaging unit       1         Electrical data   Supply       30 V         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V         Device protection   Electrical	ECLASS-9.0	27060311
ECLASS-12.027060311ETIM-5.0EC001855customs tariff number85444290GTIN4048879817127Packaging unit1Electrical data   SupplyOperating voltage AC max.30 VOperating voltage DC max.30 VDevice protection   Electrical	ECLASS-10.1	27060311
ETIM-5.0EC001855customs tariff number85444290GTIN4048879817127Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.30 VOperating voltage DC max.30 VDevice protection   Electrical	ECLASS-11.1	27060311
customs tariff number85444290GTIN4048879817127Packaging unit1Electrical data   Supply30 VOperating voltage AC max.30 VOperating voltage DC max.30 VDevice protection   Electrical		27060311
GTIN     4048879817127       Packaging unit     1       Electrical data   Supply       Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Device protection   Electrical     30 V	ETIM-5.0	EC001855
Packaging unit     1       Electrical data   Supply       Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Device protection   Electrical		
Electrical data   Supply         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V         Device protection   Electrical		4048879817127
Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Device protection   Electrical     V	Packaging unit	1
Operating voltage DC max.     30 V       Device protection   Electrical     30 V	Electrical data   Supply	
Device protection   Electrical	Operating voltage AC max.	30 V
	Operating voltage DC max.	30 V
Pollution Degree 3	Device protection   Electrical	
· · · · · · · · · · · · · · · · · · ·	Pollution Degree	3

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Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	-25°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.
Installation   Cable	
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable identification	292
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Filler	yes
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable weigth	52,8 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)	5,8 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	8
Outer diameter insulation	1,2 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)	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 (standard)	3 A
Electrical resistance line constant wire	3 Α 79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire -	2,5 kV @ 60 s
jacket) Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	-40 °C 80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature min. (dynamic) Operating temperature max. (dynamic)	-25 °C 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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter

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Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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