

## M12 male 90° A-cod. with cable

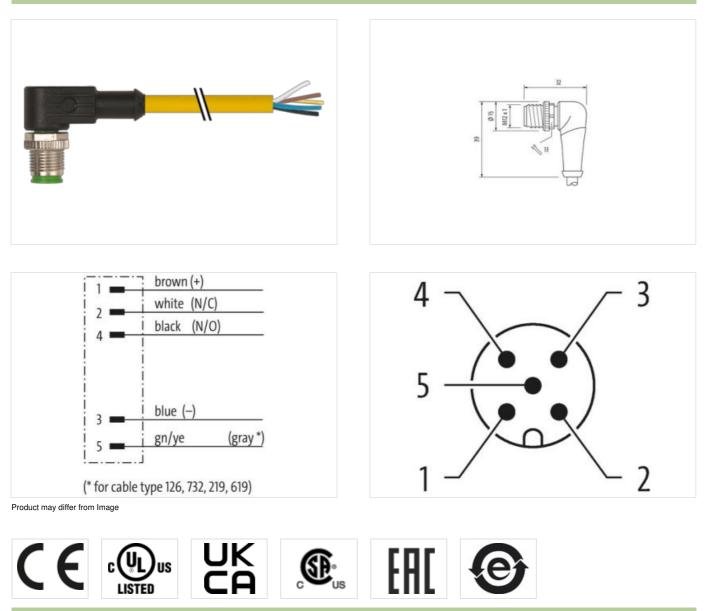
PUR 5x0.34 ye UL/CSA 3m

## **▲ NOTICE ▲** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male 90° M12, 5-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves 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



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: 2024-05-15



Side 1Tipleoning locque0.6 NmMurring methodinserted, korewedFamily construction formM12TineadM12 x1attable for congadet lube (internal 0)10 nmCodingAMaterialPUBWith arous fallsSW13Degree of protection (EN IEC 6052)1965, P66K, IP67Commercial EdB27278218EGLASS 6.027278218EGLASS 7.027278218EGLASS 7.027278218EGLASS 7.027278218EGLASS 7.027278218EGLASS 7.027278218EGLASS 7.027278218EGLASS 7.027278218EGLASS 7.027278218EGLASS 7.027060311EGLASS 7.027060311EGLAS	Cable length	3 m
Tytesning torque         0.6 Nm           Muuning method         inserted, screwed           Finally construction fom         M12 × 1           suitable for corrugated tubbe (internal 0)         10 mm           Coding         A           Matterial         PUR           Matterial         PUR           Matterial         PUR           With across fasts         SW13           Degree of protection (EN EC 00529)         IP68, IP66K, IP67           Commercial data         2/2779218           ECLASS 6.0         2/2779218           ECLASS 7.0         2/2779218           ECLASS 7.0         2/2779218           ECLASS 7.0         2/279218           ECLASS 7.0         2/2709218           ECLASS 7.0         2/260311           ECLASS 7.0         2/260311           ECLASS 7.0         2/260311           ECLASS 7.0         ECON1855           cuatoms tuff number         854429	Side 1	
Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           suitable for corrupated tube (internal 0)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           Digree of protection (EVIEC 60529)         IPES, IPESR, IPEST           Commercial data         27279218           ECLASS 6.0         27279218           ECLASS 6.1         27279218           ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27060311		0.6 Nm
Family construction form         M12           Thread         M12 x 1           Stable for corrugated tube (internal Q)         10 mm           Coding         A           Malarial         PUR           With across flats         SW13           Dargee of protection (EN EC 60529)         IP65, IP66K, IP67           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27060311           ECLASS-8.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.2         ECOIDSS           austom staff number         8544200           GTIM         404887320325		
Tread         M12 x 1           suitable for comgated tube (internal 0)         10 mm           Goding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         E           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27260311           ECLASS-8.0.1         27060311           ECLASS-8.1.1         27060311           ECLASS-1.1         27060311           ECMASING dat Suppore         8424290           G		·
suitable for corrugated tube (internal O)         10 mm           Coding         A           Material         PUB           Width across flats         SW13           Degree of protection (EN EC 60529)         IP65, IP66K, IP67           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         EC001865           customs taff number         8544290           GTIM         4048879293525           Packaging unit         1           Etectical data I Supply         25 V           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltag		
Coding         A           Material         PUB           Width across fats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         E           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-1.1         27060311           ECLASS -1.0         27000311           ECLASS -1.0         27000311           ECLASS -1.1         4040		
Material         PUR           Widh aross fiats         SW13           Degree of profesion (KP NEC 60529)         IP65, IP6K, IP67           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         2726931           ECLASS-8.0         2726931           ECLASS-8.1.1         27060311           ECLASS-8.2.0         27060311           ECLASS-8.2.0         27060313           ETM-8.0         EC001885           austors tariff number         8544230           GTN         404857283525           Packaging unit         1           Etercted data [Suppiv         Operating voltage AC max.           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage DC UL listed;         30 V           Operating voltage DC IL		
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         E           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.0         27260311           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.0         27060311           ELASS-1.0         200           Operating voltage AC max.         125 V           Operating	-	
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         27279218           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 5.0         27279218           ECLASS 5.0         27260311           ECLASS 5.0         27060311           ECLASS 5.0         27060311           ECLASS 5.0         27060311           ECLASS 5.0         27060311           ECLASS 5.1         27060311           ECLASS 5.0         ECO01855           customs tariff number         85444290           GTN         404837283525           Packaging unit         1           Etercical data [Supply		
Commercial data           ECLASS 4.0         27279218           ECLASS 7.0         27260311           ECLASS 7.0.1         27060311           ECLASS 7.0.2         27060311           ECLASS 7.0.1         27060311           ECLASS 7.0         ECO01855           existom taiff number         85444290           GTIN         4048879293525           Packaging unt         1           Electrical data [Supply         Operating voltage AC max.           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating properotat max. <td></td> <td></td>		
ECLASS 6.0         27279218           ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 1.1         27060311           EctaSCal States 2.0         27060311           EctaSCal States 2.0         2706031           Operating voltage AC (Max.         125 V           Operating voltage AC (U.Listed)         30 V           Courner operating voltage 10 (U.Listed)         30 V		
ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27260311           ECLASS-8.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-10.3         27060311           ECLASS-10.4         27060311           ECLASS-10.2         27060311           ECLASS-10.4         27060311           ECLASS-10.4         27060311           ETM-5.0         EC001855           customs tariff number         8544290           GTIN         40489793825           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mit2 x 1           Device protection   Electrical         Sereewed           Additional condition protection degree         inserted, screwed           Polution Degree         3           Rated surge voltage         1.5 kV           Material droup (ICE 60564-1)         1           Mechanical data   Mate		27279218
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLECLASS-12.0         270           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Current operating voltage AC (UL-listed)         30 V           Current operating voltage AC (UL-listed)         30 V           Deretaring torotactina max		
ECLASS-8.0         2729218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETM-S.0         Courted at Participan Concertant           Italiation and the proteon concertant max.         125 V           Operating voltage DC (Nax.         125 V           Mounting set         M12 X 1		
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048872933525           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           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         1,5 kV           Material group (EC 6064-1)         1           Mechanical data   Material data         Zinc die-casting           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting		
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           ECMASD-12.0         27060311           ECMASD-12.0         27060311           ECMASD-12.0         27060311           ECMASD-12.0         2706031           Customs tariff number         85444290           GTIN         4048879293525           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         Actional condition protection degree           Jacked surge voltage         1,5 kV           Material group (IEC 60664-1)         1      <		
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           oustoms tariff number         85444290           GTIN         4048879293525           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating portage AC (UL-listed)         30 V           Current operating ontage AC (UL-listed)         30 V           Current operating not not max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating of fiting           Coating locking         Nickeled           Coating locking         Nickeled           Coating of fiting         nickel plated           Locking material         Zinc die-casting           Material screw connecti		
ECLASS-12.0       27060311         ETM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879293525         Packaging unit       1         Electrical data   Supply          Operating voltage AC max.       125 V         Operating voltage AC max.       125 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (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       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data          Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Material scr		
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Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       KV         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature max.       85 °C	Installation   Connection	
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Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.	Pollution Degree	3
Material group (IEC 60664-1)       I         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.       -25 °C         Operating temperature max.       85 °C		1,5 kV
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Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.		Nickeled
Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.		
Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C		
Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C	-	
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C		
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C		inserted, screwed, Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C	-	
Operating temperature max. 85 °C		
construction of the second sec		
Conformity		
Conformity Product ctandard DIN EN 61076 2 101 (M12)		DIN EN 61076 2 101 (M12)
Product standard DIN EN 61076-2-101 (M12)		DIN EN 010/0-2-101 (M12)
Installation   Cable mation in this Product-PDF has been compiled with the utmost care.		

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Cable identification	834
Jacket Color	blue
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
Cable weigth	63,12 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)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	2
Outer diameter insulation	2.1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Traversing distance (C-track)	5 m
Travel speed (C-track)	1 Mio.
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Characteristic impedance Electrical resistance line constant wire	120 Ω ± 10 % @ 1 MHz 78 Ω/km
Characteristic impedance Electrical resistance line constant wire Electrical resistance coating wire (Data)	120 Ω ± 10 % @ 1 MHz 78 Ω/km 54 Ω/km
Characteristic impedance Electrical resistance line constant wire	120 Ω ± 10 % @ 1 MHz 78 Ω/km

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AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   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 (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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