

## M12 male 0° / M8 female 0° A-cod.

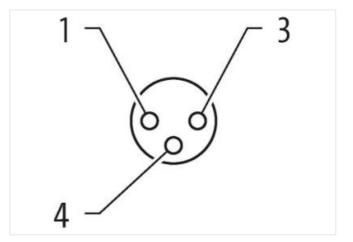
PVC 3x0.25 gy UL/CSA 0.6m

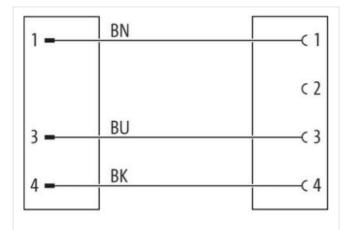
Male straight – female straight M12 – M8, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

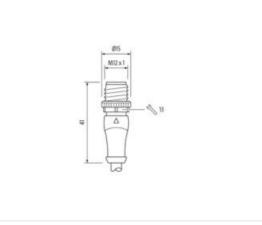
## Link to Product

Illustration



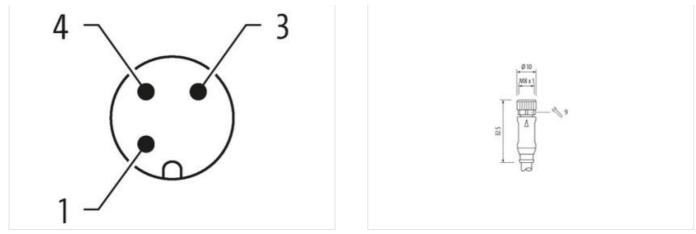






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Product may differ from Image



Side 1           Fightening torque         0.6 Nm           Mounting method         inserted, screwed           Samily construction form         M12           Thread         M12 x 1           uitable for corrugated tube (internal Ø)         10 mm           Coding         A           Adaterial         PUR           With across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Stde 2         IP65, IP66K, IP67           Tightening torque         0.4 Nm           Mounting method         inserted, screwed           arnity construction form         M8           Thread         M8 × 1           Coding         A           Adaterial         PUR           With across flats         SW9           Coding         A           Adaterial         PUR           With across flats         SW9           Coding         A           ClaSS-6.0         27279218           CLASS-7.0         27279218           CLASS-7.0         27279218           CLASS-7.0         27060311           CLASS-1.1.0         27060311           CLASS-1.2.0         2		
Tightening torque         0,6 Nm           Mounting method         inserted, screwed           arnily construction form         M12           Thread         M12 x 1           uitable for corrugated tube (internal 0)         10 mm           Coding         A           Adaterial         PUR           Widt across flats         SW13           Degree of protection (EN IEC 60529)         P96, IP66K, IP67           Side 2	Cable length	0,6 m
Autoriting method         inserted, screwed           amily construction form         M12           Thread         M12 x 1           uiuitable for corrugated tube (internal Ø)         10 mm           Sociang         A           datarial         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2	Side 1	
Family construction form         M12           Ihread         M12 x 1           builtable for corrugated tube (internal Ø)         10 mm           coding         A           Ataterial         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Immediate           Voluming method         inserted, screwed           Family construction form         M8           Adterial         PUR           Voluming method         inserted, screwed           Family construction form         M8 x 1           builtable for corrugated tube (internal Ø)         6,5 mm           coding         A           Adaterial         PUR           Width across flats         SW9           Commercial data         SW9           ColLASS-6.0         27279218           CCLASS-7.0         27279218           CCLASS-7.0         27260311           CCLASS-7.0         27060311           CCLASS-7.0         27060311           CCLASS-7.0         27060311           CCLASS-7.1         27060311           CCLASS-7.2.0         27060311           CLASS-7.2.0 <td>Tightening torque</td> <td>0,6 Nm</td>	Tightening torque	0,6 Nm
Thread         M12 x 1           uuitable for corrugated tube (internal 0)         10 mm           Coding         A           Alaterial         PUR           Witch across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Image: Construction (EN IEC 60529)           Fightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           Coding         A           Adaterial         PUR           With across flats         SW9           Commercial data         27279218           CCLASS - 0.         27279218           CCLASS - 0.         27279218           CCLASS - 0.0         27279218           CCLASS - 0.0         27060311           CCLASS - 10.1         27060311           CCLASS - 10.1         27060311           CCLASS - 12.0         27060311           CTLASS - 12.0	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Ataterial         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP665, IP66K, IP67           Side 2	Family construction form	M12
A           Material         PUR           Widh across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2	Thread	M12 x 1
Atterial         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2	suitable for corrugated tube (internal Ø)	10 mm
Nidth across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         IP66, IP66, IP67           Tightening torque         0,4 Nm           Adounting method         inserted, screwed           armily construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Joding         A           Aterial         PUR           Vidt across flats         SW9           Commercial data         27279218           EGLASS-6.0         27279218           EGLASS-7.0         27279218           EGLASS-8.0         27279218           EGLASS-10.1         27060311           EGLASS-10.1         27060311           EGLASS-11.1         27060311           EGLASS-12.0         27060311           EGLASS-12.0         27060311           EGLASS-11.1         27060311           EGLASS-11.1         27060311           EGLASS-12.0         27060311           EGLASS-11.1         27060311           EGLASS-11.1         27060311           EGLASS-11.1         27060311           EGLASS-12.0         2706	Coding	A
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           uiltable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Atterial         PUR           Width across flats         SW9           Commercial data         27279218           ECLASS-6.0         27279218           CLASS-8.0         27279218           CLASS-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           ECLASS-12.0         ECO01855           Ecousts         Ecounts           Ecounts         Ecounts           Ecounts         Ecounts           Ecounts         Ecounts           Ecounts         Ecounts           Ecounts         <	Material	PUR
Side 2         Image: Side 2           Fightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Adaterial         PUR           Width across flats         SW9           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO01185           Ently-5.0         ECO01185           Ently-5.0         ECO01185           Ently-5.0         ECO01185           Ently-5.0         ECO11855           Ently-5.0         ECO11855           Ently-5.0         ECO11855	Width across flats	SW13
Fightening torque         0,4 Nm           Mounting method         inserted, screwed           amily construction form         M8           Thread         M8 × 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Aterial         PUR           Width across flats         SW9           Commercial data         27279218           ECLASS-6.0         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	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         ECLASS-6.0           27279218         ECLASS-7.0           27279218         ECLASS-8.0           27279218         ECLASS-9.0           27260311         ECLASS-9.0           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO11855           Exustoms tariff number         85444290           ETIN         4048879163880	Side 2	
Family construction form         M8           Ihread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Nidth across flats         SW9           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO01855           suutoms tariff number         85444290           STIN         4048879163880	Tightening torque	0,4 Nm
Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         27279218           ECLASS-6.0         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           ECLASS-12.0         27060311           ETIM-5.0         EC011855           Exustoms tariff number         85444290           STIN         4048879163880	Mounting method	inserted, screwed
Suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO01855           Expustoms tariff number         85444290           STIN         4048879163880	Family construction form	M8
Adderial         PUR           Width across flats         SW9           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           Expustoms tariff number         85444290           BTIN         4048879163880	Thread	M8 x 1
Material         PUR           Width across flats         SW9           Commercial data            ECLASS-6.0         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         ECOU1855           ETIM-5.0         ECOU1855           ETIM-5.0         85444290           ETIM         4048879163880	suitable for corrugated tube (internal Ø)	6,5 mm
Width across flats         SW9           Commercial data         ECLASS-6.0         27279218           ECLASS-7.0         27279218         27279218           ECLASS-8.0         27279218         27279218           ECLASS-9.0         27060311         27060311           ECLASS-10.1         27060311         27060311           ECLASS-11.1         27060311         27060311           ECLASS-12.0         27060311         27060311           ETIM-5.0         EC001855         27060311           ETIM-5.0         EC001855         27060311           ETIM-5.0         EC001855         27060311           ETIM-5.0         EC001855         27060311	Coding	A
Commercial data           ECLASS-6.0         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         ECO01855           Example a St44290         St44290           GTIN         4048879163880	Material	PUR
ECLASS-6.0       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       EC001855         Exustoms tariff number       85444290         ATIN       4048879163880	Width across flats	SW9
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         Ecustoms tariff number       85444290         GTIN       4048879163880	Commercial data	
ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         Ecustoms tariff number       85444290         GTIN       4048879163880	ECLASS-6.0	27279218
ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         Exustoms tariff number       85444290         GTIN       4048879163880	ECLASS-7.0	27279218
ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         Exustoms tariff number       85444290         GTIN       4048879163880	ECLASS-8.0	27279218
ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         Ecustoms tariff number       85444290         GTIN       4048879163880	ECLASS-9.0	27060311
ECLASS-12.0       27060311         ETIM-5.0       EC001855         sustoms tariff number       8544290         GTIN       4048879163880	ECLASS-10.1	27060311
ETIM-5.0         EC001855           sustoms tariff number         85444290           GTIN         4048879163880	ECLASS-11.1	27060311
Sustoms tariff number         85444290           GTIN         4048879163880	ECLASS-12.0	27060311
GTIN 4048879163880	ETIM-5.0	EC001855
	customs tariff number	85444290
Packaging unit 1	GTIN	4048879163880
	Packaging unit	1

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## Electrical data | Supply

Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
_ocking material	Zinc die-casting
Vaterial screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
· · ·	-25 °C
Dperating temperature min. Dperating temperature max.	-25 °C 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), DIN EN 61076-2-114 (M8)
Installation   Cable	
Cable identification	210
	210 1
Cable Type	1
Cable Type Jacket Color	1 gray
Cable Type Jacket Color Type of Certificate	1
Cable Type lacket Color Type of Certificate Amount stranding	1 gray cURus
Cable Type Jacket Color Type of Certificate Amount stranding Stranding	1 gray cURus 1
Cable Type Jacket Color Type of Certificate Amount stranding Stranding vire arrangement	1       gray       cURus       1       3 wires twisted
Cable Type Jacket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth	1         gray         cURus         1         3 wires twisted         brown, black, blue
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m
Cable Type Jacket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC
Cable Type Jacket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket)	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath)	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm
Cable Type Jacket Color Type of Certificate Amount stranding Stranding vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter tolerance core insulation	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter tolerance core insulation Shore hardness wire insulation	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %
Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Material properties wire insulation	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %         45 ± 5 Shore D
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation	1         gray         cURus         1         3 wires twisted         brown, black, blue         29,37 g/m         PVC         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         4,5 mm         ± 5 %         PVC         3         1,25 mm         ± 5 %         45 ± 5 Shore D         good machinability

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Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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