

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

PUR 4x0.34 gy UL/CSA+robot+drag ch. 1m

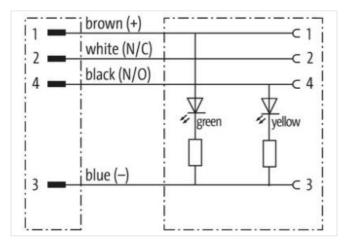
Male straight – female straight M12 – M12, 4-pole 2× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

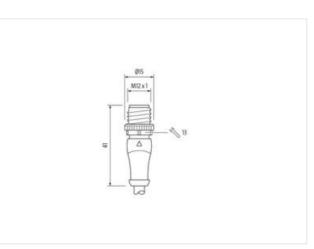
## Link to Product

Illustration



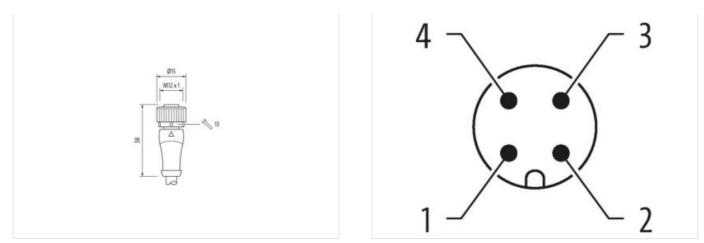






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19





Product may differ from Image



Cable length	1 m	
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	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	
Commercial data		
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	
ETIM-5.0	EC001855	
customs tariff number	85444290	
GTIN	4065909060230	

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Operating voltage DC max. (UL-listed)         30 V           Operating voltage DC max. (UL-listed)         30 V           Degrostics         V           Blaus Indication LED         green yoltwy           Intellisted Consection         V           Mounting set         M12 x 1           Device protection protection letterits         X           Additional condition protection degree         inserted, screwed           Polution Dogro         3           Raid surge voltage         0.8 NV           Material groun (EC 6064+1)         1           Material groun (EC 6064+1)         1           Cataling O folding         sale cover coaled           Cataling O folding Material Sarew connection         Zric die-casting           Material Sarew connection         Zric die-casting           Material Sarew connection         So °C           Operating temperature max.         Sa °C           <	Packaging unit	1
Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Current operating per context max.         4 A           Diagnostics         genen.yellow           Installing Information LED         green.yellow           Installing Information LED         green.yellow           Diagnostics         Status indication LED           Device production [Eduction]         Maximum Status indication Protection diagnee           Device production [Eduction]         Status indication protection diagnee           Device production [Eduction]         Status indication protection diagnee           Device production [Eduction]         Status indication protection diagnee           Device production Eduction diagnee         Status diagnee	Electrical data   Supply	
Operating voltage DC min.         18 V           Operating voltage DC max.         08 V           Operating voltage DC max.         08 V           Operating voltage DC max.         08 V           Despresite         38 V           Despresite         38 V           Despresite         98 voltage DC max.           Device protection I Electrical         100 voltage DC max.           Device protection I flectrical         98 voltage DC max.           Device protection I Electrical         98 voltage DC max.           Material group (EC StoB4-1)         1           Machanical data [ Material data         100 voltage DC max.           Coating toking         sale cover coated           Coating toking         sale cover coated           Material acrew connection         Zric die caating           Material acrew connection         Zric die caating           Material acrew connection         28 °C           Operating insperature max.         28 °C           Operating respresitare max.         28 °C           Operating respresitation note         Protect the connectors by suitable measures from m	Operating voltage DC	24 V
Operating voltage DC max. (UL listed)         30 V           Current operating per constart max.         4 A           Desposite         green, yellow           Installation (Connection         M12 x 1           Device protection [Electrical         mesting soil           Device protection (Electrical         0.8 X           Material condition protection degree         inserted, screwed           Pollution Degree         3           Material condition protection degree         0.8 X           Material condition protection         0.8 X           Material scree connection         2 not de-casting           Material scree connection         2 not de-casting           Material scree connection         2 not de-casting           Material scree max.         85 °C           Additional condition temperature may.         25 °C	Operating voltage DC min.	18 V
Current operating per contact max.         4 A           Displaying the per contact max.         4 A           Displaying the per contact max.         9 (a)           Mainting and         Maximum per contact max.           Device protection   Electrical	Operating voltage DC max.	30 V
DegraditionStatus infolation LEDgreen, yellowInstallation   ConnectionM12 x 1Device protection   Electricalinserted, screwedPollution Degree3Rated surge valtage0.9 x/VMaterial group (IEC 60664.1)1Machania off Illowin Magneeinserted, screwedCoating to Kingsafe sover coatedCoating to Kinginserted, screwed, Staking protectionMaterial group (IEC 60664.1)inserted, screwed, Staking protectionCoating to Kinginserted, screwed, Staking protectionCoating to KingZine die-casingMaterial acrewe onnectionZine die-casingMaterial acrewe onnection25 °COperating temperature max.25 °COperating temperature max.26 °CCoating of this science to science	Operating voltage DC max. (UL-listed)	
Statisgreen, yellowInstallation   ConnectionDevice protection   ElectricalDevice protection   ElectricalBaditional condition protection degreeisserted, screwedAdditional condition protection degree3Radia surge voltage0.8 kVMaterial group (IEC 606641)1Installation (Interpreted 606641)1Calling bothingcalle cover ocaladCoaling bothingcalle cover ocaladDevice protection   Electricalcalle	Current operating per contact max.	4 A
Instaliation   Connection         Number of the extension           Mounting set         M12 x 1           Device protection   Electrical         Number of the extension           Additional condition protection degree         3           Rated surpe of the extension         0.8 kV           Material group (FICE 60666-1)         1           Mechanical data [Material data]         3           Coaling of Uting         nisk-cover coated           Material screw connection         Zine die casting           Material screw connection         Zine die casting           Material screw connection         25 ° C           Operating temperature max.         25 ° C           Oparating temperature max.         25 ° C <td>Diagnostics</td> <td></td>	Diagnostics	
Muning set         M12 x 1           Device protection   Electrical         inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (EC 60664.1)         1           Mechanical data   Material data         incel / plated           Coating Octing         safe-cover coated           Coating of fitting         incel / plated           Coating of fitting         incel / ecasing           Material screw connection         Zine die-casing           Mounting method         inserde, screwed. Shaking protection           Poreating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         endargered by excessive bending forces.           Note on ending radius         Dit EN for 062 · 101 (M12)           Material actin         Side identification           Cable identification         254           Cable identification         254           Cable identification         254           Cable identification         1           Standing         4i	Status indication LED	green, yellow
Device protection   Electrical         inserted, screwed           Additional condition protection degree         3           Relate surge voltage         0.8 kV           Material group (EC 60964-1)         1           Mechanical data   Material data         Coating looking           Coating looking         safe-cover coated           Coating looking         safe-cover coated           Coating looking         cale casting           Material screw connection         Zine die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental cheracetristics   Climatic         Mechanical data   Mounting data           Deparating temperature main.         e5 °C           Operating temperature main.         e5 °C           Operating temperature main.         e5 °C           Operating regreemante mas.         e6 °C           Additional condition temperature range         depending on cable quality           Incode strain relief         Protect the commetors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Nate on strain relief         DIN EN 61076-2-011 (M12)           Inselfaction   Cable         Cable deptinge           Caled cableffit	Installation   Connection	
Device protection   Electrical         inserted, screwed           Additional condition protection degree         3           Relate surge voltage         0.8 kV           Material group (EC 60964-1)         1           Mechanical data   Material data         Coating looking           Coating looking         safe-cover coated           Coating looking         safe-cover coated           Coating looking         cale casting           Material screw connection         Zine die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental cheracetristics   Climatic         Mechanical data   Mounting data           Deparating temperature main.         e5 °C           Operating temperature main.         e5 °C           Operating temperature main.         e5 °C           Operating regreemante mas.         e6 °C           Additional condition temperature range         depending on cable quality           Incode strain relief         Protect the commetors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Nate on strain relief         DIN EN 61076-2-011 (M12)           Inselfaction   Cable         Cable deptinge           Caled cableffit	Mounting set	M12 x 1
Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 0664-1)         1           Mechanical data [Material data         Image voltage           Coating looking         sate-cover coated           Coating of thing         nickel plated           Locking material         Zinc die-casting           Methanical data [Mounting data         Image regression           Portant methad         Image regression           Deparating temperature main.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on ending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending ported by excessive bending forces.           Colormity         Important installation notes           Protect the connectors b	Device protection   Electrical	
Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 0664-1)         1           Mechanical data [Material data         Image voltage           Coating looking         sate-cover coated           Coating of thing         nickel plated           Locking material         Zinc die-casting           Methanical data [Mounting data         Image regression           Portant methad         Image regression           Deparating temperature main.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on ending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending ported by excessive bending forces.           Colormity         Important installation notes           Protect the connectors b	Additional condition protection degree	inserted, screwed
Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Costing of htting         safe-cover coated           Costing of htting         nickel plated         I           Locking material         Zinc die-casting         Material screwe connection         Zinc die-casting           Material screw connection         Zinc die-casting         Material screwe connection         Zinc die-casting           Material screw connection         Zinc die-casting         Zinc die-casting         Zinc die-casting           Metrial screw connection         Zinc die-casting         Zinc die-casting         Zinc die-casting           Operating temperature min.         2.5 °C         Operating temperature max.         85 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Important installation notes         Note on stain clef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on stain clef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cottornity         Zinc die-casting         Zinc die-casting           Product standard         DIN EN 61076-2-101 (M12)         Zinc die-casting <td></td> <td></td>		
Material group (IEC 60664-1)         I           Mechanical data   Material data         Inickel plated           Coating of King         inickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Insorted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.         25 °C           Operating temperature max.         85 °C         Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality         Important installation notes           Moterial screw colores         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cable on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cable on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cable on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the u	-	
Mechanical data   Material data           Coating locking         sale-cover coated           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 temporature man.           Q5 °C         Operating temporature man.           Q6 °C         S7 °C           Operating temporature man.         Q5 °C           Operating temporature man.         Q5 °C           Additional condition temporature man.         Q5 °C           Additional condition temporature man.         Q5 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection diass can be endangered by excessive bending forces.           Colormity         Evideantification		
Coating looking         safe-cover coated           Coating of titing         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatu         25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature may.         depending on cable quality           Important installation notes         Retention: Observe the parmissible bending radii when laying cables, e.g. by the usage of cable ties.           Note on bending radius         Retention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contemity         Environ: Observe the parmissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cable identification         254           Cable identification         263 °G           Armount strandring         1           Str		
Coating of fitting         nickle plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed. Shaking protection           Environmental characteristics   Climatic         inserted, screwed. Shaking protection           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature max.         85 °C         Casting of the protection class can be gending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.           Cable dentification         254           Cable fortige         5           Cacket Color         gray           Type of Certificate         cuFus           Anount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           <	•	
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed. Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Contromity           Product standard         DIN EN 61076-2-101 (M12)         Installation         Cable classical data (Mounting data)           Standition         QS4         Cable classical data (Mounting data)         Cable classical data) <t< td=""><td></td><td></td></t<>		
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Construction           Operating temperature min.         25 °C           Operating temperature main.         25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Conformity         Protect on the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Product standard         DIN EN 61076-2101 (M12)           Installation   Cable         Cable Type         5           Cable tope of Corrificate         CURus           Amount stranding         1         Stranding         4 wires twisted           wire arrangement         Drown, black, blue, white         Stranding         4 wires twisted           wire arrangement         Stranding         4 wires twisted         Stranding         4 wires twisted           Guter-diameter (acket)         Bea/ free, cadmium-free, CFC-free, halogen-fr		•
Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contormity         Important Class Cable Class Class Cable Class Class Cable Class Class Cable Class		
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Terret terret connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Contornity         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cohornity         Installation Cable           Cable identification         254           Cable identification         254           Cable for per 5         Cull Standard           Type of Certificate         cull Rus           Anount stranding         1           Stranding         1      <		Zine die-easting
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         epending on cable quality           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         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 force         Cable Type           Cable Type         5         Cable type         5           Jacket Color         gray         Type of Certificate         CURus           Anount stranding         1         Stranding         4 wires twisted           wire arrangement         brown, black, blue, white         Cable weigh         36,3 g/m           Shore	· · · · · · ·	
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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 officiation         254           Cable officiation         254         Cable Type           Anount stranding         1         Stranding           Yier of Certificate         CURus         Current           Anount stranding         1         Stranding         4 wires twisted           Wire arrangement         brown, black, blue, white         Cable weigh         36.3 g/m           Cable weigh         36.3 g/m         Starding         4 stranding         Starding           Material jacket         PUR         Store hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Mote on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Cable identification           Cable identification         254           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         36,3 g/m           Material ijacket         PUR           Shore D         Freedom from ingredients (jacket)           Freedom from ingredients (jacket)         4,7 mm           Colter-diameter (jacket)         4,7 mm	Environmental characteristics   Climatic	
Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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         254           Cable identification         254         Cable identification         254           Cable Color         gray         gray         Gray         Gray           Type of Certificate         cURus         Amount stranding         1         Stranding         4 wires twisted           Wire arrangement         brown, black, blue, white         Gable wighth         36,3 g/m           Cable rom ingredients (jacket)         PUR         Store hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (sheath)         ± 5%           Material wire insulation         PP           Amount wires	Operating temperature min.	-25 °C
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 strain relief         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         254           Cable Identification         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         36.3 g/m           Material jacket         PUR           Shore hardness jackat         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP	Operating temperature max.	85 °C
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         Endangered by excessive bending forces.           Product standard         DIN EN 61076-2-101 (M12)           Installation [ Cable         Endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cable identification         DIN EN 61076-2-101 (M12)           Cable identification         254           Cable Identification         254           Cable Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         36,3 g/m           Material jacket         PUR           Shore hardness jacket         5 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.7 mm           Tolerance outer diameter (sheath)         ± 5 %	Additional condition temperature range	depending on cable quality
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         254           Cable identification         254         Cable identificate         CURus           Amount stranding         1         Stranding         4 wires twisted           Stranding         4 wires twisted         Soft, blue, white         Cable with ite insulation           Cable weigh         36,3 g/m         Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D         Ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.7 mm         Freedom from ingredients (jacket)         Freedom from ingredients (jacket)           Attential wire insulation         PP         Freedom from ingredients (sheath)         ± 5 %	Important installation notes	
Note on version general by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2·101 (M12)           Installation   Cable         Cable identification         254           Cable identification         254         Cable identification         254           Cable Identification         254         Cable identification         254           Cable Of Carbification         gray         Cable identification         254           Type of Certificate         cuRus         CuRus         CuRus           Amount stranding         1         Curu Stranding         4 wires twisted           Wire arrangement         brown, black, blue, white         Curu Stranding         Song Marce           Cable weigth         36,3 g/m         Song Marce         Song Marce         Song Marce           Freedom from ingredients (jacket)         PUR         Song Pure Instructure (Free, cadmium-free, CFC-free, halogen-free, silicone-free         Song Pure Instructure (Steet)         4 song Pure Instructure (Steet)         4 song Pure Instructure (Steet)           Outer-diameter (jacket)         4,7 mm         Pure Instructure (Steet)         4 song Pure Instructure (Steet)         4 song Pure Instructure (Steet)	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification254Cable identification5Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36.3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)4.7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	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           Cable identification         254           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         36,3 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)         4,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4	Conformity	
Cable identification254Cable Type5Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4		
Cable Type5Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4	Product standard	DIN EN 61076-2-101 (M12)
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	Product standard	DIN EN 61076-2-101 (M12)
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	Product standard Installation   Cable	
Type of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	Product standard Installation   Cable Cable identification	254
Amount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	Product standard Installation   Cable	254 5
wire arrangementbrown, black, blue, whiteCable weigth36,3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	Product standard Installation   Cable Cable identification Cable Type	254 5 gray
Cable weigth36,3 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	Product standard Installation   Cable Cable identification Cable Type Jacket Color	254 5 gray cURus
Material jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	254 5 gray cURus 1
Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4	Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	254 5 gray cURus 1 4 wires twisted
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4	Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	254 5 gray cURus 1 4 wires twisted brown, black, blue, white
Outer-diameter (jacket)     4,7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4	Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	254 5 gray cURus 1 4 wires twisted brown, black, blue, white 36,3 g/m
Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4	Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	254       5       gray       cURus       1       4 wires twisted       brown, black, blue, white       36,3 g/m       PUR
Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4	Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	254         5         gray         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         58 ± 3 Shore D
Material wire insulation     PP       Amount wires     4	Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	254         5         gray         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free
	Product standard Installation   Cable 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)	254         5         gray         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free         4,7 mm
Outer diameter insulation 1,25 mm	Product standard Installation   Cable 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) Outer-diameter (jacket)	254         5         gray         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,7 mm         ± 5 %
	Product standard Installation   Cable 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) Outer-diameter (jacket) Tolerance outer diameter (sheath)	254         5         gray         cURus         1         4 wires twisted         brown, black, blue, white         36,3 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,7 mm         ± 5 %         PP

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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	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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	4,8 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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