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## M12 male 0° / M12 female 90° A-cod. LED

PVC 3x0.34 bk UL/CSA 3m

Male straight – female 90° M12 – M12, 3-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.

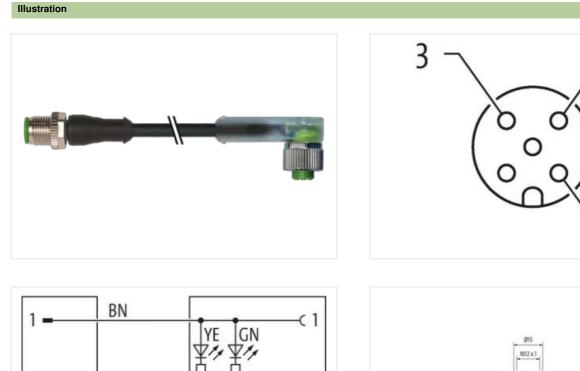
## Link to Product

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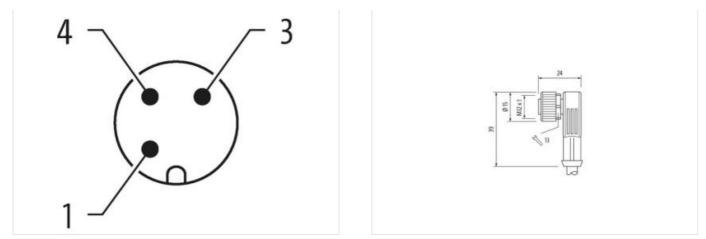
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The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

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Product may differ from Image



Cable length	3 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 $\emptyset$ )	10 mm
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 $\emptyset$ )	10 mm
Material	PUR
Width across flats	SW13
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	EC001855
customs tariff number	85444290
GTIN	4048879170857
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V

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Operating voltage DC max. 30 V   Operating voltage DC max. 30 V   Current operating per contact max. 4 A   Diagnostics Status indication LED   Installation I Connection green, yellow   Installation I Connection Mounting set   Mounting set M12 x 1   Device protection I Electrical Additional condition protection degree   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 0,8 kV   Material group (IEC 60664-1) 1   Mechanical data   Material data Coating locking   Coating locking Nickeled   Coating locking Nickeled   Coating locking Nickeled   Material screw connection Zinc die-casting   Mounting method inserted, screwed, Shaking protection   Environmental characteristics   Climatic Upperature max. 85 °C   Additional condition temperature max. 85 °C   Additional condition temperature max. 85 °C   Additional condition temperature max. 85 °C   Additional condition	Operating voltage DC min.	18 V
Operating youngs DD max. (U. Alseled)     30 V       Current operating per context max.     4 A       Diagnostic     Billus Initiani (D)       Installation I CD     groom, yollow       Installation I Concolion     M12 x 1       Device protection I Electrical     Alstrom       Additional condition protection degree     9       Installation I Concolion     M12 x 1       Device protection I Electrical     March       Additional condition protection degree     9       Rated surge (IEC 6064-1)     1       Mechanical data [ Motrial data     Zine die cassing       Marchal coreo connoction     Zine die cassing       Marchal coreo connoctin     Zine die cassing		
Current operating per context max.     4 A       Degoetics     green, yellow       Installation ICDD     green, yellow       Installation ICDD     green, yellow       Deskee production ILED     Installation ICDD       Device production ILECTION     Installation ICDD       Additional condition protection degree     Installation ICDD       Relation up on the Install of Install Installation ICDD (ICD 00664-1)     I       Machanical distal IMounting data     Machanical distal IMounting data       Machanical distal IMounting data     Installation ICDD (ICD 00664-1)       Machanical distal IMounting data     Zino die casing       Machanical distal IMounting data     Zino die casing       Machanical distal IMounting data     Machanical distal IMounting data       Mounting membra     25° C       Operating temperature min.     25° C       Operating relation accels     Celtoneetone by suitable measures from machanical loads, a.g. by the usage of cable ites.       Note on strain nelief     Protext file connectors by suitable measures from machanical loads, a.		
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Mouring set:     N12 × 1       Device protection   Electrical       Additional condition protection degree     isented, screwed       Additional condition protection degree     3       Rated surge voltage     0.8 kV       Mearlar group (Electrical)     1       Mearlar group (Electrical)     Neckeind       Canaing difficient Geoden 1.1     Neckeind       Canaing difficient data     Zinc die-casting       Maderial screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Sinc die-casting       Material screw connection     Sinc die-casting       Material condition temporature min.     28 °C       Operating temporature min.     28 °C       Operating temporature max.     85 °C       Additional condition temporature max.     85 °C       Note on stain aleid     Protect the connectors by suitable masures from mechanical todes, e.g. by the usage of cable les.       Note on stain aleid     Protect the connectors by suitable masures from mechanical todes, e.g. by the usage of cable les.       Note on stain aleid     Protect the connectors by suitable masures from mechanical todes, e.g. by the usage of cable les.	Status indication LED	green, yellow
Device procession   Electrical       Addition condition protection degree     inserted, screwed       Pollution Degree     3       Ratied surge voltage     0.8 kV       Matterial group (EC 6066-1)     1       Machanical data     Matterial group (EC 6066-1)       Catafing locking     Nickeled       Catafing locking material     Nickeled       Catafing docking material     Zine dia-casting       Material screw connection     Zine screwad, Shaking protection       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Addition and dialitation notes     Material screw connection suscellate screw temperature screw temperature max.       Note on scrittin relief     Photest the connectors by screlisate screw temperature late screw temperature screw temperat	Installation   Connection	
Additional condition protection degree     isarted, screwed     Politation     Politatio     Politation	Mounting set	M12 x 1
Pollulon Degree     3       Rated surge voltage     0.8 kV       Material group (EC 68064-1)     1       Machanical data   Material data     Cataling locking     Nickleld       Coating of fitting     nicklel plated     Cataling of fitting       Locking material     Zinc die-casting     Machanical data   Mounting data       Mechanical data   Mounting data     Inserted, screwed, Shaking protection     Environmental characteristics   Climatic       Environmental characteristics   Climatic     -     -     -       Operating temperature max.     85 °C     -     -       Operating temperature max.     85 °C     -     -       Additional condition temperature range     depending on cable quality     -       Importatin installation notes     -     -     -       Note on bending radius     Attention: Observe the permissible bending radii whon laying cables, as the IP protection class can be endangered by excessive bending forces.     -       Conformity     -     -     -     -       Vise a rangement     brown, black, blue     -     -       Cable identification     613     -     -	Device protection   Electrical	
Bated surge voltage     0,8 kV       Material group (EC 606641)     1       Mechanical data (Material data     Coating of titing     nickel plated       Coating of titing     nickel plated     Coating of titing     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       Mechanical data (Mounting data     Mounting mathod     inserted, screwed, Shaking protection     Environmental characteristics (Climatic       Environmental characteristics (Climatic     Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Important installation notes       Important installation notes     Mounting radius     Attention: Observe: the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending roces.     Contomity       Product tanadation     DIN EN 61076-2-101 (M12)     Imaterial acide is dentification     613       Cable identification     613     Cable identification     613       Cable identification     613     Cab	Additional condition protection degree	inserted, screwed
Bated surge voltage     0,8 kV       Material group (EC 606641)     1       Mechanical data (Material data     Coating of titing     nickel plated       Coating of titing     nickel plated     Coating of titing     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       Mechanical data (Mounting data     Mounting mathod     inserted, screwed, Shaking protection     Environmental characteristics (Climatic       Environmental characteristics (Climatic     Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Important installation notes       Important installation notes     Mounting radius     Attention: Observe: the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending roces.     Contomity       Product tanadation     DIN EN 61076-2-101 (M12)     Imaterial acide is dentification     613       Cable identification     613     Cable identification     613       Cable identification     613     Cab		3
Material group (IEC 60864-1)     I       Mechanical data (Material data     Coating of fitting     Nickeled       Coating of fitting     nickel plated     Coating of fitting       Coating of fitting     nickel plated     Coating of fitting       Mechanical data (Mounting data     Mechanical data (Mounting data     Mechanical data (Mounting data       Mechanical data (Mounting data     Mechanical data (Mounting data     Mechanical data (Mounting data       Mechanical data (Mounting data     Mechanical data (Mounting data     Mechanical data (Mounting data       Mechanical data (Mounting data     Mechanical data (Mounting data     Mechanical data (Mounting data       Operating temperature max.     85 °C     Codeparating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Meterior: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Conternity       Product standard     DIN EN 61076-2-101 (M12)     Institution (Cobe     Cobe deenfication     613       Cable identification     613     Cobe forping     Gadek Acc		0.8 kV
Mechanical data   Material data       Coading of Miting     Nickeled       Coading of Miting     nickel plated       Coading of Miting     Zinc die-casting       Material screw connection     Zinc die-casting       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Control method     Inserted, screwed, Shaking protection       Operating 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 fies.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be antigenerade by successible bending from when laying cables, as the IP protection class can be antigenerade by successible bending from when laying cables, as the IP protection class can be antigenerade by successible bending from when laying cables, as the IP protection class can be antigenerade by successible bending from the laying cables, as the IP protection class can be antigenerade by successible bending from the laying cables, as the IP protection class can be antigenerade by successible bending from the laying cables, as the IP protection class can be antigenerade by successible bending from the IP protection class can be antin freide       Coater t		
Cading locking     Nickeled       Cading of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zin die-casting       Material screw connection     inder-casting protection       Environmental characteristics [Climatic     Unit die-casting protection       Environmental characteristics [Climatic     Sing Protection       Operating temperature min.     25 °C       Operating temperature man.     88 °C       Additional condition temperature mane.     B8 °C       Additional condition temperature mane.     88 °C       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     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by soccessive bending forces.       Conformity     In Statistical (Sable Coor       Product standard     Din Kin StorSe-2101 (M12)       Instalation (Sable     Sing StorSe Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be cable tips.       Sable Iopein (Sable I		
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     Deparating temperature min.     -25 °C       Operating temperature min.     -25 °C	· ·	Nickelad
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data  Mounting data     Iniserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.     25 °C       Operating temperature max.     85 °C     Additional condition temperature range     depending on cable quality       Important installation notes     Important installation notes     Important installation notes       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 ending orces.     Contornity       Product standard     DIN EN 61076-2-101 (M12)     Installation Cable       Installation Cable     Din EN 61076-2-101 (M12)     Installation Cable dentification       Cable dentification     613     Cable dentification     613       Cable dentification     613     Cable dentification     G13       Cable dentification     613     Gable dentification     G13       Cable dentification     613     Gable dentification     G14       Dacket Color     black     Tym		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 ° C       Operating temperature max.     85 ° C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection dlass can be endangered by excessive bending forces.       Contemity     Note on Strain relief     Din EN 61076-2-101 (M12)       Installation (Cable     Universe in the Strain relief on the Strain relief relief on		
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Common Procession (Common Processinted (Common Proce (Common Proce (Common Procession (Common Proce		
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 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 excessible bending forces.       Conformity     UNE No 1076-2-101 (M12)       Installation of Cable     UNE No 1076-2-101 (M12)       Installation / Cable     Din EN 61076-2-101 (M12)       Installation of Cable     UNE No 1076-2-101 (M12)       Installation of Cable     Din EN 61076-2-101 (M12)       Installation of Cable     Din EN 61076-2-101 (M12)       Installation of Cable     Din EN 61076-2-101 (M12)       Cable Type     1       Jacket Color     black       Vieg Carrindate     Operating as wires twisted       Weins attranding     3 wires twisted       Weins attrand		Zinc die-casting
Environmental characteristics   Climatic       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 endingered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Units No. black, blue       Cable identification     613       Cable Type     1       Jacket Color     black       Type of Certificate     cJRus       Amount stranding     1       Jacket Color     brown, black, blue       Cable weight     34,1 g/m       Material jacket     PVC       Store Alardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, sillcone-free       Outer-diameter (jacket)     4,6 mn       Tolerance outer (fameter (sheath)	Mechanical data   Mounting data	
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 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.       Concretity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Enstallation   Cable     Enstallation   Cable       wire arrangement     brown, black, blue     Cable dentification     613       Cable Type     1     Installation   Cable     Installation   Cable       Stranding     1     Installation   Cable     Installation   Cable <td>Mounting method</td> <td>inserted, screwed, Shaking protection</td>	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       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     endangered by excessive bending forces.       Cable identification     613       Cable identification     613       Cable identification     613       Cable forpe     1       Jacket Color     black       Type of Certificate     cURus       Anount stranding     1       Stranding     3 wires twisted       wire arangement     brown, black, blue       Cable weight     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     Lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4.6 mm	Environmental characteristics   Climatic	
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.       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     brown, black, blue       Cable fortification     613       Cable fortige     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     34,1 g/m       Material jacket     PVC       Store A     Store A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (gacket)     4.6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Anount twires     3 <td>Operating temperature min.</td> <td>-25 °C</td>	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 bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.       Conformity        Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable        wire arrangement     brown, black, blue       Cable identification     613       Cable Identification     613       Cable Identification     613       Cable Identification     613       Stranding     1       Stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     15%       Material lwire insulation     4.6 mn       Tolerance outer diameter (sheath)     ± 5 %       Outer diameter (sheath)     ± 5 %       Amount wires     3	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     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Use on point (M12)       Installation   Cable     Diversity       View arrangement     brown, black, blue       Cable identification     613       Cable Identification     613       Cable Identification     613       Cable Identification     0140x       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     4.5 mm       Outer diameter (jacket)     2.5 %       Outer dia	Additional condition temperature range	depending on cable quality
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       wire arrangement     brown, black, blue       Cable identification     613       Cable Type     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     4.6 mm       Tolerance outer diameter (shealth)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     PVC       Shore hardness jacket     5 %       Shore hardness insulation     PVC       Shore hardness jacket     5 %	Important installation notes	
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       wire arrangement     brown, black, blue       Cable identification     613       Cable Type     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     4.6 mm       Tolerance outer diameter (shealth)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     PVC       Shore hardness jacket     5 %       Shore hardness insulation     PVC       Shore hardness jacket     5 %	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   Cablewire arrangementbrown, black, blueCable identification613Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)4.6 mmTolerance outer (jacket)4.6 mmTolerance outer insulationPVCAmount wires3Outer diameter (sheath)± 5 %Material risulationPVCAmount wires3Outer diameter lolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Installation   Cable       wire arrangement     brown, black, blue       Cable identification     613       Cable identification     613       Cable Type     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     PVC       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D	Conformity	
Installation   Cable       wire arrangement     brown, black, blue       Cable identification     613       Cable identification     613       Cable Type     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     PVC       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D	Product standard	DIN EN 61076-2-101 (M12)
wire arrangementbrown, black, blueCable identification613Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D		
Cable identification613Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	· · · ·	
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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: 2024-05-21

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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 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	6 A
Electrical resistance line constant wire	57 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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