

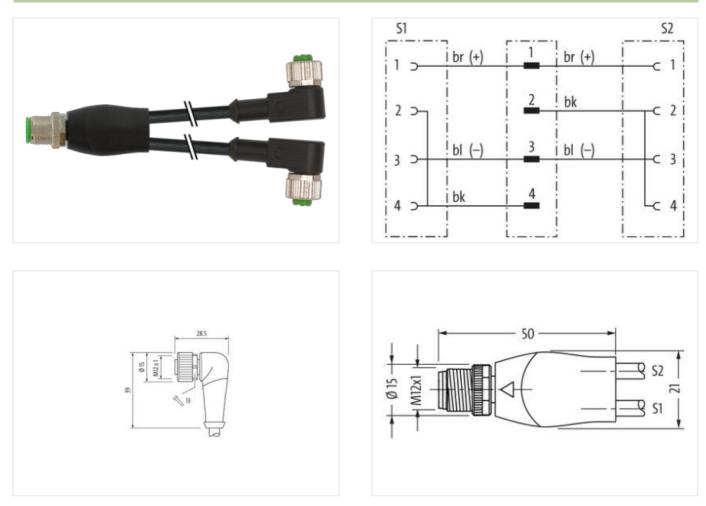
## Y-Distributor M12 male / M12 female 90° A-cod.

PVC 3x0.34 bk UL/CSA 5m

Y-connector M12 – M12, 4-pole Male straight – females 90° bridged 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

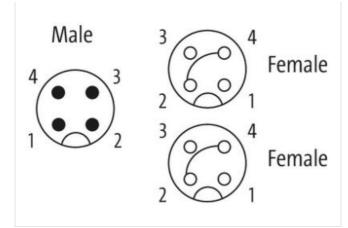




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26

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Product may differ from Image



Cable length	5 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
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 3	
Family construction form	M12
Coding	A
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060313
ECLASS-11.1	27060313
ECLASS-12.0	27060313
ETIM-5.0	EC001855

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GTN     4946979611244       Packaging unit     1       Electrical data (Steppy)     Convention voltage AC max.       Operating voltage DC max.     250 V       Operating voltage DC max.     250 V       Operating voltage DC max.     250 V       Operating voltage DC max.     4 A       Installation Connection     4 A       Installation Connection     4 A       Device protection [Electrical     A       Additional confiltor protection degree     9 a       Patient agroup group of the 60064 11     1       Machanical data [Inferential data     Conting voltage AC max.       Catality agroup (TEG 60064 1)     1       Machanical data [Inferential data     Conting voltage       Catality agroup (TEG 60064 1)     1       Machanical data [Inferential data     Conting voltage       Machanical data [Inferential data     Conting voltage       Machanical data [Inferential data     PM H       Contage voltage     2 m oftic - cataling       Machanical data [Inferential data     PM H       Contage voltage     1 m       Machanical data [Inferential data     PM H </th <th>customs tariff number</th> <th>85444290</th>	customs tariff number	85444290
Electrical data   Supply     Constrainty voltage AC max.     250 V       Operating voltage AC max.     250 V     Constraints voltage AC max.     250 V       Operating voltage AC (UL-steed)     30 V     Constraints voltage AC (UL-steed)     30 V       Current operating voltage AC (UL-steed)     30 V     Constraints voltage AC (UL-steed)     30 V       Current operating voltage AC (UL-steed)     30 V     Constraints voltage AC (UL-steed)     Ad (Current operating voltage AC (UL-steed)     Addition AC (UL-steed)	GTIN	4048879691284
Operating voltage AC max.     250 V       Operating voltage AC UL Islass)     30 V       Operating voltage AC UL Islass)     30 V       Operating voltage AC UL Islass)     30 V       Corrent operating voltage AC UL Islass)     30 V       Installation [Connection     4 A       Installation [Connection [Exercical     4 A       Device protection [Exercical     5 N       Addinnal condition protection dages     3       Reade surge voltage     2 N N       Material group (EC 00664-1)     1       Hechanical data [Material data     Coating looking       Coating looking     Nickeled       Coating looking anteried     Zine die caating       Material group (EC 00664-1)     Inserted. screwed.       Pariadition (Inserted. Screwed.     Sine Group       Coating only     Nickeled       Coating only     Nickeled       Coating only     Nickeled       Coating only     Inserted. screwed. </td <td>Packaging unit</td> <td>1</td>	Packaging unit	1
Operating vertings PC max     250 V       Operating vertings PC (UL-field)     30 V       Current operating per context max.     4 A       Installation (Concetion     Maximum       Mounting set     M12 x 1       Device protection [Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated argue voltage     2 S kV       Material group (Electrical     Additional condition protection degree       Coating torting     Nickeled       Coating torting     Insteriod sourced, Shaking protoction       Methal data     Mounting mathe       Mounting mathe     YAG       Constructure max.     85 °C       Additional condition temporature max.     85 °C	Electrical data   Supply	
Operating vertings PC max     250 V       Operating vertings PC (UL-field)     30 V       Current operating per context max.     4 A       Installation (Concetion     Maximum       Mounting set     M12 x 1       Device protection [Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated argue voltage     2 S kV       Material group (Electrical     Additional condition protection degree       Coating torting     Nickeled       Coating torting     Insteriod sourced, Shaking protoction       Methal data     Mounting mathe       Mounting mathe     YAG       Constructure max.     85 °C       Additional condition temporature max.     85 °C	Operating voltage AC max.	250 V
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Convert operating or contact max.     4 A       Installiation I Connection     Installiation I Connection       Mounting set     M1 2 x 1       Device protection I Electrical     Installiation I Connection       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Ratef surge voltage     2, SkV       Material grave, voltage     2, SkV       Material grave, voltage     2, SkV       Material grave, rotage     2, SkV       Material convertion		
Operating vorlage DC (UL-Intern)     30 V       Current operating per contact max.     4 A       Installation [Concection     Installation [Concection]       Mounting set     M12 x 1       Device protection [Electrical     Additional concection and the served       Pollution Dagree     3       Rated surge voltage     2,5 kV       Material group (EC 60684+1)     1       Mechanical data   Material data     Coating forting       Coating forting     Nickeled       Coating of fitting     Nickeled       Coating of fitting gasket     PKM       Lodking ansterial     Zinc die-casting       Mechanical data   Mounting data     Inserted, sortwed, Shaking protection       Environmental characteristics   Clinatic     Clinating and fitting protection as a solid solid solid solid son banking and and solid solid solid solid solid solid solid son		
Current operating per contact max.     4 A       Installion   Connection     Mouning set     M12 x 1       Device protection   Electrical     Electrical     Electrical       Additional condition protection degree     inserted, screwed     Pollution Degree     3       Rated surge voltage     2,8 kV     Material group (EC 60684-1)     1       Mechanical data   Material data     Coating locking     Nickeled       Coating locking     Nickeled     Coating locking     Nickeled       Material screw connection     Zinc die caating     Mickeled     Coating locking     Nickeled       Mounting method     Insortad, screword, Shaking protoclon     Environmental characteristics   Climatic     Comparing impersystem max.     B5 °C     Additional condition temperature range     depending on cable quality       Portextonaninstallation nocto     Portex the conn		
Mourining and     M12 x 1       Device protection   Electrical     inserted, scrowed       Additional condition protection dogree     inserted, scrowed       Pollucin Degree     3       Rated surge voltage     2.5 kV       Material group (IEG 60664-1)     I       Mechanical datal [Material data]     Mechanical data[ Material data]       Coating locking     Nickled       Coating locking     Nickled       Coating of timg     nickle fatad       Material gaske     FKM       Locking material     Zinc die-casting       Material gaske     FKM       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Environmental characteristics [Climatic       Deparating temperature min.     25 °C       Operating temperature min.     25 °C       Operating temperature min.     45 °C       Note on starin felf     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tess.       Note on starin felf     Protect the con		4 A
Device protection   Electrical       Addition condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     2,5 kV       Matterial group (EC 6958-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating locking     nickel planed       Material gracket     FKM       Locking material     Zinc die-casting       Material sterew connection     Zinc die-casting       Material sterew connection     Zinc die-casting       Mourting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature min.       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Inportection testifies     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable testifies       Note on stain relef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable testifies       Meterial and and <t< td=""><td>Installation   Connection</td><td></td></t<>	Installation   Connection	
Additional condition protection degree inserted, screwed   Pollution Degree 3   Rade surge voltage 2.5 kV   Material group (IEC 60684-1) 1    Exclusion   Coating of timing nickel plated   Material group (IEC 60684-1) 1   Mechanical data (Material data Exclusion   Coating of timing nickel plated   Material serve connection Zinc die casting   Material serve connection Sinc die casting   Impora	Mounting set	M12 x 1
Pollution Degree 3   Rated surge voltage 2.5 kV   Material group (ES 6084-1) 1   Mechanical data [Material data Coating of titing   nickei plated Nickeled   Coating of titing nickei plated   Material graup PKM   Locking material Zinc die-casting   Mechanical data [Mounting data Mounting method   Inserted, screwed, Shaking protoction Environmental characteristics [ Climatic   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature may. depending on cable quality   Import Import   Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.   Note on strain relief DIN EN 61076-2-101 (M12)   Installation 1 Cable UNEN 61076-2-101 (M12)   Installation 1 Cable DIN EN 61076-2-101 (M12)   Ins	Device protection   Electrical	
Pollution Degree 3   Rated surge voltage 2.5 kV   Material group (ES 6084-1) 1   Mechanical data [Material data Coating of titing   nickei plated Nickeled   Coating of titing nickei plated   Material graup PKM   Locking material Zinc die-casting   Mechanical data [Mounting data Mounting method   Inserted, screwed, Shaking protoction Environmental characteristics [ Climatic   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature may. depending on cable quality   Import Import   Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.   Note on strain relief DIN EN 61076-2-101 (M12)   Installation 1 Cable UNEN 61076-2-101 (M12)   Installation 1 Cable DIN EN 61076-2-101 (M12)   Ins	Additional condition protection degree	inserted, screwed
Rates surge voltage     2,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickoled       Coating locking     Zinc die-casting       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -25 *C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on strain relief     DIN EN 61076-2101 (M12)       Installation     Coating Cable       Vie arrangement     brown, black, blue       Cable Type     1		
Material group (IEC 60664-1)     I       Mechanical data (Material data        Coating of Iting     Nickeled       Coating of Iting     nickel plated       Material spasket     FKM       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 method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic        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 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 I Cable     inserted, slue       Colab identification     613       Cable Gordin		
Mechanical data   Material data       Caaling locking     Nickeled       Caaling fitting     nickel plated       Material gastet     FKM       Locking material     Zinc die-casting       Material gastet     FKM       Locking material     Zinc die-casting       Material gaste     FKM       Mounting method     Inserted, screwed, Shaking protection       Environmetal characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Attention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces.       Conformity     Intention: Observe the parmissible bending radii when laying cables, as the IP protection class can be forwn, black, blue       Cable identification     613       Cable Identificatal gadet     PVC		
Coating locking     Nickeled       Coating of Itting     nickel plated       Material gasket     FKM       Locking matrial     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical date  Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics  Climatic     Operating temperature max.       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 lies.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Not		
Coating of thing     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature main.       Operating temperature main.     -25 °C       Operating temperature main.     -85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       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     Installation   Cable       wrise arrangement     brown, black, blue       Cable Type     1       Cable Ty	•	Nickeled
Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Exclanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Qserating temperature max.     85 °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 parmissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Installation   Cable       wire arrangement     brown, black, blue       Cable Type     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1 <td></td> <td></td>		
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief     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     wire arrangement   brown, black, blue     Cable Type   1     Jacket Color   black     Type of Cartificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable Type   1     Jacket Color   black     Type of Cartificate   cURus     Afternalign   3 wires twisted<		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature main.     -25 °C       Operating temperature main.     -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.       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 strain relief     DIN EN 61076-2-101 (M12)       Installation   Cable     uring arrangement       brown, black, blue     Cable identification       Cable identification     613       Cable identification     613       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     34,1 g/m		
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 max.     85 °C       Additional condition temperature may.     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.       Contormity     Imstallation (Cable       wrie arrangement     brown, black, blue       Cable identification     613       Cable forppe     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wrie arrangement     brown, black, blue       Cable weighth     34,1 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket		
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     depending on cable quality       Important installation notes     Note on strain relief       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Additional condition temperature may     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     wrie arrangement       wrier arrangement     brown, black, blue       Cable identification     613       Cable Vipe     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wrie arrangement     brown, black, blue       Cable weighth     34,1 g/m       Material jacket     PVC		
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       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     DIN EN 61076-2-101 (M12)       Installation   Cable     wire arrangement     brown, black, blue       Cable Type     1     Jacket Color     Jacket Color       Jacket Color     black     Type of Certificate     cuRus       Amount stranding     1     Stranding     3 wires twisted       wire arrangement     brown, black, blue     Cable wight     34.1 g/m       Attential jacket     PVC     Shore hardness jacket     85.1 S Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free		The state of the second st
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12)Installation   Cablewire arrangementbrown, black, blueCable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable might34,1 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 insulationPVC	-	inserted, screwed, Snaking protection
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   wire arrangement   brown, black, blue     Cable identification   613   Cable Identification     Gable Type   1   Jacket Color   black     Type of Certificate   cURus   Attention:     Amount stranding   1   Stranding   Stranding     Stranding   34/t g/m   Material jacket   PVC     Shore hardness jacket   85 ± 5 Shore A   Freedom from ingredients (jacket)   4.6 mm     Tolerance outer diameter (jacket)   4.6 mm   Tolerance outer diameter (sheath)   ± 5 %	Environmental characteristics   Climatic	
Additional condition temperature range     depending on cable quality       Important installation notes     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       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.       Confomity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     wire arrangement     brown, black, blue       Cable identification     613       Cable Identification     613       Cable Identificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable identification     613       Cable identificate     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 <td></td> <td></td>		
Important installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12)Installation   Cablewire arrangementbrown, black, blueCable identification613Cable identification613Cable ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable identification613Cable identificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket86 ± 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 insulationPVC		
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     wire arrangement     brown, black, blue       Cable identification     613     Cable identification     613       Cable Color     black     Type of Cartificate     cURus       Amount stranding     1     Stranding     3 wires twisted       wire arrangement     brown, black, blue     Cable weigth     34,1 g/m       Amount stranding     1     Stranding     Stranding     Stranding       Vire arrangement     brown, black, blue     Cable weigth     34,1 g/m       Material jacket     PVC     PVC     Strandimerree, CFC-free, silicone-free       Outer-diameter (jacket)     lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)     4.6 mm       Tolerance outer diameter (sheath)     ± 5 %     %     Material wire insulation     PVC	Operating temperature max.	85 °C
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     wire arrangement     brown, black, blue       Cable identification     613     Cable       Jacket Color     black     DIN EN 61076-2-101 (M12)       Jacket Color     black     Current stranding     1       Jacket Color     black     DIN EN 61076-2-101 (M12)     DIN EN 61076-2-101 (M12)       Mount stranding     1     Stranding     1     Stranding     1       Stranding     1     Stranding     3 wires twisted     Stranding     3 4,1 g/m       Material jacket     PVC     Store 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     Store hard meter (sheath)     ± 5 %	Operating temperature max. Additional condition temperature range	85 °C
Note on behalting radius   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 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 (lacket)   4.6 mm     Tolerance outer diameter (sheath)   ± 5 %	Operating temperature max. Additional condition temperature range	85 °C depending on cable quality
Product standardDIN EN 61076-2-101 (M12)Installation   Cablewire arrangementbrown, black, blueCable identification613Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable veigth34,1 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 insulationPVC	Operating temperature max. Additional condition temperature range Important installation notes	85 °C depending on cable quality Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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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	Operating temperature max.     Additional condition temperature range     Important installation notes     Note on strain relief     Note on bending radius     Conformity     Product standard     Installation   Cable     wire arrangement     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding     Stranding	85 °C     depending on cable quality     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.     DIN EN 61076-2-101 (M12)     brown, black, blue     613     1     black     cURus     1     3 wires twisted
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Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PVC	Operating temperature max.     Additional condition temperature range     Important installation notes     Note on strain relief     Note on bending radius     Conformity     Product standard     Installation   Cable     wire arrangement     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding     Stranding     wire arrangement     Cable weigth     Material jacket	85 °C     depending on cable quality     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.     DIN EN 61076-2-101 (M12)     brown, black, blue     613     1     black     cURus     1     3 wires twisted     brown, black, blue
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Amount wires 3	Operating temperature max.     Additional condition temperature range     Important installation notes     Note on strain relief     Note on bending radius     Conformity     Product standard     Installation   Cable     wire arrangement     Cable identification     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)	85 °C     depending on cable quality     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.     DIN EN 61076-2-101 (M12)     brown, black, blue     613     1     black     cURus     1     3 wires twisted     brown, black, blue     34,1 g/m     PVC     85 ± 5 Shore A     lead-free, cadmium-free, CFC-free, silicone-free     4,6 mm     ± 5 %
	Operating temperature max.     Additional condition temperature range     Important installation notes     Note on strain relief     Note on bending radius     Conformity     Product standard     Installation   Cable     wire arrangement     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)	85 °C     depending on cable quality     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.     DIN EN 61076-2-101 (M12)     brown, black, blue     613     1     black     cURus     1     3 wires twisted     brown, black, blue     34,1 g/m     PVC     85 ± 5 Shore A     lead-free, cadmium-free, CFC-free, silicone-free     4,6 mm     ± 5 %     PVC

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: 2024-06-26

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Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
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)	0° 08
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	0° ℃
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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