

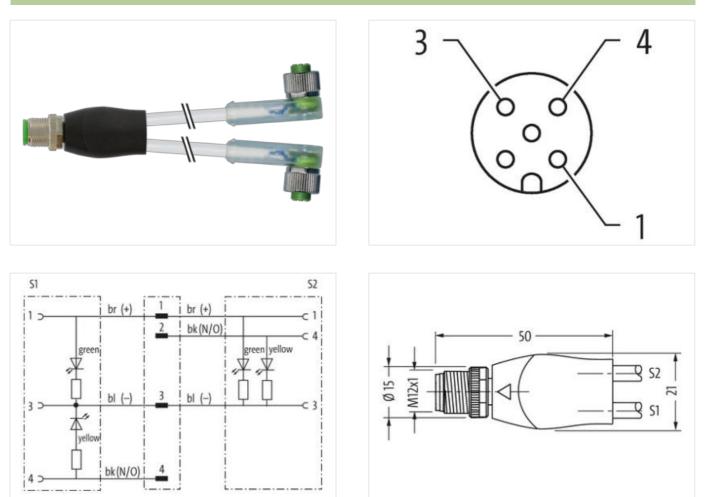
## Y-Distributor M12 male / M12 female 90° A-cod. LED

PVC 3x0.34 gy UL/CSA 2m

Y-connector M12 – M12, 4/3-pole Male straight – females 90° A-coded LED (yellow/green) 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.

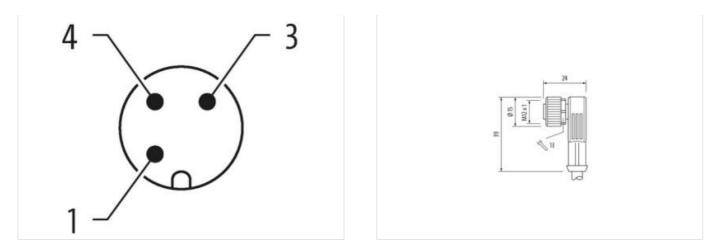
## Link to Product

Illustration



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Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 3	
Mounting method	inserted, screwed
Family construction form	M12
No. of poles	3
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
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ECLASS-10.1     2700913       ECLASS-11.1     2700913       ECLASS-11.1     2700913       ECLASS-12.0     EC001865       CASS-11.1     46087915653       Predicing unit     1       Electrical data [Supply     Electrical data [Supply       Predicing units     18 V       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     5 mA       Operating voltage DC max.     5 mA       Operating voltage DC max.     6 max       Outrent consumption max.     5 mA       Operating voltage DC max.     6 max       Outrent consumption max.     5 mA       Device protecting Electrical     4 Max       Additional conticol max.     5 max       Muxing at     Mil2 × 1       Device protecting Electrical     4 Max       Additional conticol max     5 max       Muxing at     Mil2 × 1       Device protecting Electrical     4 Max       Additional conticol max     5 max       P	ECLASS-9.0	27060311
ECLASS-12D     27004313       ETIM-5.0     EC001855       Calinom kurft munbar     B644290       GTIN     4048291155533       Packaging unt     1       Electrical data   Supply        Operating voltage DC max     30 V       Operating voltage DC max     30 V       Operating voltage DC max     4.4       Current consumption max     6.4       Operating voltage DC max     4.4       Current consumption max     6.4       Device protection (Electrical        Munting aff     M12 x 1       Device protection (Electrical        Additional condition protection diagree     3       Material group (Electrical        Additional condition protection diagree     3       Material group (Electrical        Material group (Electrical        Additional condition protection diagree     3       Related addata   Material data        Material group (Electrical        Additional Condition protection diagree        Material gasek     FIOA	ECLASS-10.1	27060313
ETM 5 0     ECON1855       customs taskif number     8544290       OTN     4048787155533       Packaging und     1       Electrical data [Supply        Operating voltage DC     24 V       Operating voltage DC min.     10 V       Operating voltage DC min.     10 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Current operating voltage DC max.     4 A       Current operating voltage DC max.     5 mA       Diagnostic     green. yoltow       Istasi indication LCD     green. yoltow <t< td=""><td>ECLASS-11.1</td><td>27060313</td></t<>	ECLASS-11.1	27060313
outlon Suff number8544280GTN40487815533Parkaging unit1Electrical data [SupphyOperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VOperating voltage DC max.30 VOperating voltage DC max.5 mADagoeticyeun, voltageDisposition (Consection Max.5 mADisposition (Consection (Source Max.5 mADisposition (Consection (Source Max.5 mADisposition (Consection (Source Max.5 mADisposition (Source Max.5 mAConstruct Max.5 mAConstruct Max.85 °CConstruct Max.	ECLASS-12.0	27060313
GTM 404827915633   Packaging unit 1   Electrical acial Supply    Operating voltage DC 24 V   Operating voltage DC max. 30 V   Operating voltage DC max. 30 V   Criment operating voltage DC max. 4 A   Current operating voltage DC max. 5 mA   Dispositio state indication LCD   State indication LCD green, yotlow   Installation I Connection Mouring set   Mouring set M12 x 1   Device protection I Electrical Mouring set   Additional continion protection degree 3   Readiange voltage CO 60684-1) 1   Material group (EC 60684-1) 1   Mechanic datal Material adso RAV   Material group (EC 60684-1) 1   Mechanic datal Material adso CAV   Cading of Mitrig nickelud   Cading of Mitrig Nickelud   Cading of Mitrig nickelud   Material group (EC 60684-1) 1   Material group (EC 60684-1)	ETIM-5.0	EC001855
Packaging unit     1       Electrical data [Supply     Image: Comparity voltage DC     24 V       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     5 M       Diagnostic     Image: Comparity voltage DC max.       Operating voltage DC max.     5 mA       Diagnostic     Image: Comparity voltage DC max.       Muring set     M12 x 1       Device protection   Electrical     Image: Comparity voltage DC max.       Additional condition protection degree     1       Material gases voltage     0,8 kV       Material gases voltage     0,8 kV       Material gases voltage     0,8 kV       Material gases     PKM       Coating Loking     Nockeled       Coating Loking     Nockeled       Coating Loking     Nockeled       Coating Loking     Nockeled       Material gases     PKM       Locking material     Zno: die-casting       Material gases     PKM       Locking material     Zno: die-casting	customs tariff number	85444290
Electrical data   Supply     Cpenality outage DC     24 V       Openality outage DC min.     18 V     Cpenality outage DC max.     30 V       Openality outage DC max.     4 A     Cpenality outage DC max.     4 A       Current openality outage DC max.     5 nA     Diagnostic     The second DC max.     10 Parally outage DC max.     10 Parally ou	GTIN	4048879155533
Electrical data   Supply     Cpenality outage DC     24 V       Openality outage DC min.     18 V     Cpenality outage DC max.     30 V       Openality outage DC max.     4 A     Cpenality outage DC max.     4 A       Current openality outage DC max.     5 nA     Diagnostic     The second DC max.     10 Parally outage DC max.     10 Parally ou	Packaging unit	1
Operating voltage DC     24 V       Operating voltage DC max.     18 V       Operating voltage DC max.     30 V       Operating voltage DC max.     5 nA       Deprating Voltage DC MC     1 not decading       Material DQ DC (SOB4-1)     1 not decading DC (SOB4-1)  <		
Operating voltage DC min.     18 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Current consumption max.     5 mA       Description voltage DC max.     4 A       Current consumption max.     5 mA       Description voltage     meansion of the second of th	Operating voltage DC	24 V
Operating voltage DC max.     30 V       Operating voltage DC max. (UL-letted)     30 V       Current operating per contact max.     5 mA       Diagnostics     5       Status indication LED     green, yellow       Installation I Connection     MU 2 x 1       Device protection I Electrical     Mult 2 x 1       Multing and Differ Green     3       Related surge voltage     0.8 xV       Material goue JEC 68664-1)     1       Mechanical data Material data     Mickelad       Coating Diffing     nickel platad       Material gasket     FKM       Locking math/d     Ine elecasting       Mechanical data Mounting data     Material screw connection       Zhre die-casting     Mechanical data Mounting data       Multing math/d     Inserted, screwed, Shaking protection       Devicing temperature max.     85		
Operating voltage DC max. (UL-listed)     30 V       Current consumption max.     5 mA       Diagnostics     Status indication LED     green, yellow       Installation   Connection     M12 x 1       Device protection   Electrical     M12 x 1       Additional condition protection degree     inserted, screwed       Patient or Sumption     0.8 kV       Material group (ICE 60664-1)     1       Mechanical data   Material data     Coding lociting       Coding lociting     Nickeled       Locking material     Zinc dive casting       Material graster     FKM       Locking material     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Code casting       Mouring methor     .25 °C       Operating temperat		
Current operating per contact max. 4 A   Current operating per contact max. 5 mA   Dagonatics Staus indication LED green, yellow   Instaliation   Connection M12 x 1   Device protection   Electrical   Additional condition protection degree 3   Rated aurge voltage 0,8 kV   Material graup voltage 0,8 kV   Material grave voltage Casting   Material grave voltage Casting   Material grave voltage Casting   Mourting material Zin cele-assting		
Current consumption max.     5 mA       Dagoostics     green, yellow       Installation ICD     green, yellow       Installation ICOnnection     mounting set     M12 x 1       Device protection   Electrical     Additional condition protection of degree     inserted, screwed       Additional condition protection of degree     inserted, screwed     Polition Degree     3       Rated surge voltage     0.8 kV     Material grade     Material grade       Material grade     Inserted, screwed     Polition Degree     3       Rated surge voltage     0.8 kV     Material grade     Material grade       Material grade     Inserted, screwed     Polition Degree     3       Casting looking     nickel plated     Material grade     Mate		
Diagnostics     green, yellow       Installion I Connection     Installion I Connection       Mounting set     M12 x 1       Device protection I Electrical     Installion I Connection I Sectrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     I       Mechanical data I Material data     Voltage Interial data       Coating of Hing     nickel plated       Coating of King     Nickelod       Material gaskot     FKM       Locking material     Zinc die-casting       Material gaskot     Fick       Portection I meretal screwed, Shaking protection     Coercention       Environmental characteristics [ Climatic     Gineretal screwed, Shaking protection       Environmental characteristics [ Climatic     Gineretal screwed, Shaking protection       Moter strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by		
Status indication LED green, yellow   Installation   Connection Mul1 x 1   Device protection   Electrical Inserted, screwed   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 KK   Coating of titing nickel pated   Material group (IEC 60664-1) 1   Material group (IEC 60664-1) 1   Material group (IEC 60664-1) 1   Material goald (IEC 60664-1) 1   Material goard (IEC 60664-1) 1   Material goard (IEC 60664-1) 1   Material goard (IEC 60664-1) 1   Mounting methol 1		
Installation   Connection     M12 x 1       Device protection   Electrical     Additional condition protection degree     inserted, screwed       Additional condition protection degree     3     Reted surge voltage     0.8 kV       Material group (IEC 60664-1)     1     Internet surge voltage     0.8 kV       Mechanical data   Material data     Mechanical data   Material data     Internet surge voltage     0.8 kV       Coating locking     Nickeled     Internet surge voltage     0.8 kV       Material gasket     FKM     Internet surge voltage     0.8 kV       Material gasket     FKM     Internet surge voltage     0.8 kV       Material screw connection     Zinc die-casting     Internet surge voltage     0.8 kV       Mounting method     inserted, screwed, Shaking protection     Inserted, screwed, Shaking protection     Internet surge voltage     0.8 kV       Additional condition temperature max.     85 °C     Coating on cable quality     Internet surge voltage of protection class can be contage voltage of protection class can be contage voltage		
Mounting set     M12 x 1       Device protection   Electrical       Addinanal condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,6 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting     Nickeled       Coating of fitting     Nickeled     Coating of fitting     Nickeled       Coating of fitting     nickel plated     Material gasket     FKM       Locking material     Zinc die-casting     Material screw connection     Zinc die-casting       Material screw connection     Zine die-casting     Material screw connection     Zine die-casting       Mounting method     inserted, screwed, Shaking protection     Zine die-casting     Zine die-casting       Mounting method     inserted, screwed, Shaking protection     Zine die-casting     Zine die-casting       Mounting method     inserted, screwed, Shaking protection     Zine die-casting     Zine die-casting       Mounting method     inserted, screwed, Shaking protection     Zine die-casting     Zine die-casting       Mounting method     inserted, screwed, Shaking protection <th< td=""><td></td><td>green, yellow</td></th<>		green, yellow
Device protection   Electrical       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 of filing       Coating of filing     nickel plated       Material gaskot     FKM       Locking material     Zinc die-casting       Material gaskot     FKM       Locking material     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mechanical data   Mounting data     Sinc die-casting       Mounting method     inserted, screwed, Staking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -25 °C       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     Protect the connectors	Installation   Connection	
Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 0.8 kV   Material group (EC 6068-1) 1   Mechanical data   Material data Image: Constraint of the stress of t	Mounting set	M12 x 1
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     Coating locking   Nickeled     Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatio   Operating temperature min.     -25 °C   Operating temperature min.   -25 °C     Operating temperature min.   -25 °C     Operating temperature min.   -25 °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 ending forces.     Conformity   Installation I Cable     Cable of the offication <t< td=""><td>Device protection   Electrical</td><td></td></t<>	Device protection   Electrical	
Rated surge voltage 0,8 kV   Material group (IEC 606641) I   Mechanical data   Material data Coating of Nickeled   Coating of Iting nickel plated   Material gasket FKM   Locking material Zinc die-casting   Material server connection Zinc die-casting   Mechanical data   Mounting data Mounting data   Mounting method inserted, screwed, Shaking protection   Environmental characteristics   Climatic Operating temperature min.   -25 *C Operating temperature min.   -25 *C Qperating temperature max.   A65 *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 racli when laying cables, as the IP protection class can be endangered by excessive bending forces.   Conformity INEN 61076-2-101 (M12)   Installation   Cable 213   Cable Type 1   Jacket Color gray   Type of Certificate cURus   Amount stranding 1   Stranding 3 wires twisted   Wire arrangement brown, black, blue   Cable weigh	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking     Nickeled   Coating of fitting     nickel plated   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Cooling on cable quality     Important installation notes   85 °C     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.     Conformity   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Cable fype   DIN EN 61076-2101 (M12)     Installation   Cable   213     Cable fype   1     Jacket Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     Wire arangement   brown, black, blue     Cable weigh   34,1 g/m	Pollution Degree	3
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature may.     depending on cable quality       Important installation notes     Inserted, berwe the permissible bending radii when laying cables, 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.       Opticat standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Environmental characteristics   Climatic       Cable Type     1       Jacket Color     gray       Type of Certificate     cURus       Amou	Rated surge voltage	0,8 kV
Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Material serve connection     Zinc die-casting       Mounting mathod     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature main.       -25 °C     Coperating temperature max.       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 lies.       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 Stronectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Cable identification     213       Cable identification     213       Cable identification     213       Cable identification     1       Stranding     1<	Material group (IEC 60664-1)	1
Coating of fitting   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   Coperating temperature min.     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 radi 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   213     Cable identification   213     Cable Identificate   cURus     Anount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   34,1 g/m	Mechanical data   Material data	
Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Incerted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature max.       25 °C     Operating temperature max.       Additional condition temperature range     depending on cable quality       Important installation notes     Material performance       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 endangared by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       Cable rype     1       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 g/m	Coating locking	Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature min.       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       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       Cable identification     213       Cable IVpe     1       Jacket Color     gray       Type of Certificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable wei	Coating of fitting	nickel plated
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   Mounting radius     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   213     Cable identification   213     Cable Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   34,1 g/m	Material gasket	FKM
Mechanical data   Mounting data       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 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.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     213     Cable identification       Cable identification     213     Cable Color       Type of Certificate     cJRus     Amount stranding       Amount stranding     1     Stranding     3 wires twisted       wire arrangement     brown, black, blue     Cable weigth     34,1 g/m	Locking material	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Column       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature mage     depending on cable quality       Important installation notes     Mote 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       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       Cable identification     213       Cable Ioppe     1       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 g/m	Material screw connection	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   Mote 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   Product standard     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification     Cable identification   213     Cable Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   34,1 g/m	Mechanical data   Mounting data	
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note 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.ConformityInstallation   CableProduct standardDIN EN 61076-2-101 (M12)Installation   Cable213Cable identification213Cable IdentificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/m	Mounting method	inserted, screwed, Shaking 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   213     Cable identification   213     Cable Type   1     Jacket Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   34,1 g/m	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 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   213     Cable identification   213     Cable Type   1     Jacket Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   34,1 g/m	Operating temperature min.	-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 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   213     Cable identification   213     Cable Type   1     Jacket Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   34,1 g/m		
Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       Cable identification     213       Cable Type     1       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     34,1 g/m		
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Cable weigth 34,1 g/m	-	
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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	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° 08
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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