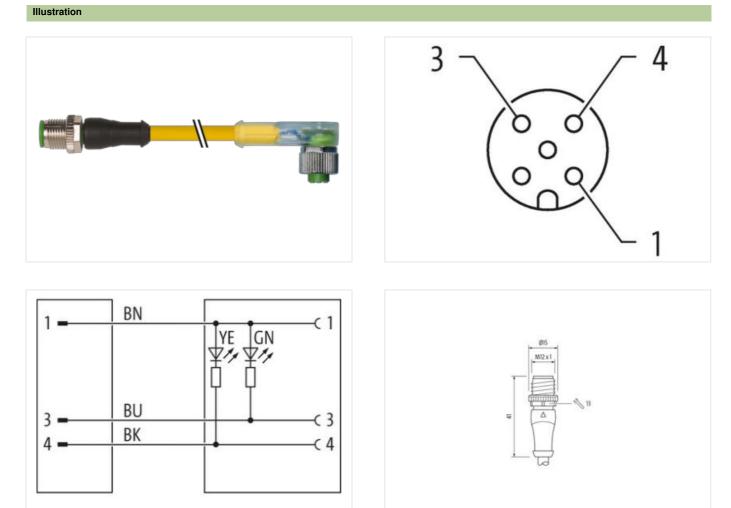


## M12 male 0° / M12 female 90° A-cod. LED

PUR 3x0.34 ye UL/CSA+drag ch. 1.5m

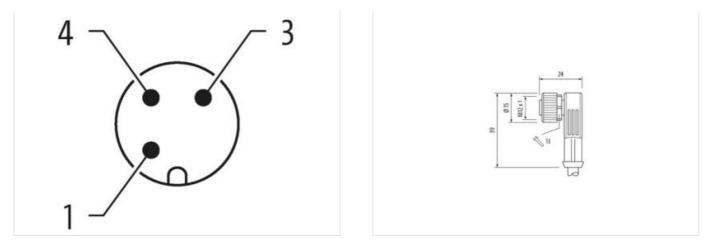
Male straight – female 90° M12 – M12, 3-pole 2× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



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: 2024-05-12





Product may differ from Image



Cable length	1,5 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
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
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	4048879171564
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V

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Operating votage Cor max.     16 V       Operating votage Cor max.     30 V       Operating votage cortand max.     4 A       Dispressive     gene votage cortand max.       Distribution CED     gene votage cortand max.       Installation Conscion     M12 x 1       Device protection [Electrical     M22 x 1       Addional condition protection dispression     3       Catatry locking     0.8 kV       Material corue control     2.0 dia e- cataling       Catatry locking dist     Zinc dia e- cataling       Material corue control     2.0 dia e- cataling       Material corue control (corue control or corue control or corue corue corue cont		
Operating per constact max.     4 A       Diagnostic     Status indication LED     green, yellow       Instaliation   Connection     Maximum     Maximum       Monining set     M12 x 1     Device protection   Electrical       Additional condition protection diagrae     0.8 kV     Maximum       Material group (CG 66664-1)     1     I       Meetanical data   Material data     Conting (CG 66664-1)     1       Conting (CG 66664-1)     1     I       Meetanical data   Material data     Zon dia-casting     Conting (CG 66664-1)       Conting (CG 66664-1)     1     Incertaction (CG 66664-1)       Meetanical data   Mounting data     Zinc dia-casting     Conting (CG 66664-1)       Meetanical contaxing material     Zinc dia-casting     Conting (CG 6666-1)       Meetanical contaxing material     Zinc dia-casting     Conting (CG 6666-1)       Meetanical contaxing material     Zinc dia-casting     Conting (CG 6666-1)       Meetanical contaxing material     Zinc dia-casting     Contaxing       Meetanical contaxing material     Zinc dia-casting     Contaxing       Meetanical contaxin meriel     Prote dia-casting <t< td=""><td>Operating voltage DC min.</td><td>18 V</td></t<>	Operating voltage DC min.	18 V
Current operating per contact max.     4 A       Diagnostics     groon, yollow       Installation LED     groon, yollow       Installation I Connection     M12 x 1       Device protection of Electrical     Additional condition protection dayne       Additional condition protection dayne     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (EC 60064.1)     1       Mechanical data [Material data     Conting toologing       Contrast max     2 fron dis-scassing       Mechanical data [Material data     Zinc dis-scassing       Mechanical data[Material data     Zinc dis-scassing       Mechanical data[Material data]     Zinc dis-scassing       Mechanical data[Material data]     Zinc dis-scassing       Mechanical data[Material data]     Zinc dis-scassing       Mechanical data [Material data]     Zinc dis-scassing       Mechanical data [Material data]     Zinc dis-scassing       Depan		
DespectiveStatus incluston LEDpreen, yellowinstaliation I Connectioninstaliation I ConnectionMuring setM12 x 1Addiconil condition protection degreeinserted, screwedPolution Degree3Rated surge voltage0.8 kVMaterial protection [Electricalinserted, screwedPolution Degree0.8 kVMaterial protection (Electricalinserted, screwedRated surge voltage0.8 kVMaterial protection (Electricalinserted, screwedPolution Degreeinserted, screwedRotaria Screw connectionZins de-castingMaterial screw connectionZins de-castingMaterial screw connectionZins de-castingMaterial screw connectionZins de-castingMaterial screw connectionZins de-castingPolating fumporature man.25 °CConting condition temperature man.85 °CAddiconal condition temperature man.85 °CAddiconal condition temperature man.85 °CNote on bending radiuProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.Note on bending radiuProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.Cable infinitation notesURUNACable infinitation notesSins Hord Portection (Instal)Cable infinitation93Cable infinitation93Cable infinitation10 m 62 set (Instal)Cable infinitation10 m 62 set (Instal)Cable infini		
Builts in Ideanion LED     green, yellow       Installation [Connection     N2 x 1       Bounding set     M2 x 1       Additional condition protection degree     inserted, screwed       Pallution Degree     3       Rated surge voltage     0.8 kV       Rated surge voltage     7.8 cd-c-sating       Rated surge voltage     6.8 cf-C       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Ration and confisch protection concords by suitable measure form mechanical loads, e.g. by the usage of cable lites. <td></td> <td>4 A</td>		4 A
Installation   Connection     Mil2 x 1       Bevice protection   Electrical     Inserted, screwed       Additional contification protection degree     Inserted, screwed       Poliution Dagree     3       Rated surge variation (EC 60664-1)     I       Mechanical datal [ Material data     Inserted, screwed, Status       Coating toxing     Nickleid       Coating toxing     Nickleid       Coating toxing     Tick de-casting       Material serve worneeton     Zinc die-casting       Material serve worneeton     Zinc die-casting       Material serve worneeton     Zinc die-casting       Material serve worneeton     Sinserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature max,       Operating temperature max,     85 °C       Additional cordition temperature max,     85 °C       Additional cordition temperature max,     85 °C       Note on strain relief     Pertect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.       Contomity     Environmetal characteristics   Climatic       Cable of top     9       Coberating region     Sins fior62-201 (M12)<	Diagnostics	
Monting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664 1)     1       Coating disting     Nickeled       Coating disting     Nickeled       Coating difting     nickel plated       Coating difting     Tic die-casting       Material screw connection     Zinc die-casting       Mounting method     Sarted, screwed, Shaking protection       Environmental characteristics   Climatic     Sarted, screwed, Shaking protection       Protecting temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Additional condition temperature manape     depending nonecting using addition       Departing temperature mana.     -25 °C       Coating reliaf work for the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on bending radius     Additional Connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on satin reliaf     Din EN 61076 2-101 (M12)       Enderinge     3	Status indication LED	green, yellow
Device protection   Electrical       Addition condition protection degree     inserted, screwed       Platuian Degree     3       Rated surge voltage     0.8 kV       Material group (EC 60564-1)     1       Mechanical data   Material data     Coating locing       Coating locing     Nickeled       Coating locing     Nickeled       Coating locing     Nickeled       Coating locing     Inserted, screwed, Shaking protection       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Everonmental characteristics   Climatic     Inserted, screwed, Shaking protection       Generating temperature min.     -25 ° °       Operating temperature max.     85 °C       Additional condition momentary engree     depending on cable quality       Important installation notes     Attention: Observe the partissible bending radii when laying cables, as the IP protection class can be endengreed by escessive bending forces.       Contornity     Product standed     DIN EN 1076-2-101 (M12)       Installation (Cable     Juaket Coor     Juaket Coor       Type of Certificate     Olf Protex 100 (M12)	Installation   Connection	
Additional condition protection degree inserted, screwed   Pollution Degree 3   Reade surge vollage 0,8 kV   Material group (IEC 60664-1) 1   Mechanical data   Material data Coaling on Kick lead   Coaling of King Nick kelad   Coaling of King Nick kelad   Coaling of King Nick kelad   Coaling of King Zinc die-casting   Material screw connection Zinc die-casting   Mechanical data   Mouning data Material screw connection   Mechanical data   Mouning data Sinc die-casting   Mouning method inserted, screwed, Shaking protection   Environmental characteristics [ Climatic Coaling of King   Operating temperature min. -28 °C   Operating temperature mar. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes Note on stain reliel   Note on stain reliel Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Note on bending radius Attention: Obscrew the permissible bonding radii when laying cables, as the IP protection class can be endangered by accessive bending forces.   Contomity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Note on bending radiu	Mounting set	M12 x 1
Politation Degree     3       Rated surge voltage     0.8 kV       Material group (16: 60664-1)     1       Mechanical data [Material data     Coating of Titling       Coating of Titling     nickel plated       Locking material     Zinc die casting       Material soure connection     Zinc die casting       Material soure connection inserted, sorewed, Shaking protection     Environmental characteristics [ Climatic       Operating temperature min.     -25 °C       Additional condition temperature ranze     85 °C       Additional condition temperature ranze     85 °C       Note on stain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Atteriator: Cbeserve hearding torces.       Contronty     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radiu     Note sensity is bording radii when laying cables, as the IP protection class can be endangered by excessive bending torces.       Contronty     Pollones	Device protection   Electrical	
Rated surge voltage     0,8 kV       Material group (IEC 6064-1)     I       Mechanical data   Material data     Coating locing       Coating locing     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     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       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Environ       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 forces.       Continy     Product standard       Dista 1076-2-101 (M12)     Inselfaction       Cable identification     033       Cable identification     033       Cable identification     033       Cable	Additional condition protection degree	inserted, screwed
Rated surge votage     0,8 kV       Material group (EC 6064-1)     I       Mechanical data [Material data     Coating locing       Coating locing     Nickeled       Coating locing     Nickeled       Coating locing of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Operating temperature man.       Operating temperature man.     85 °C       Additional condition temperature mane     85 °C       Additional condition temperature mane     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable les.       Note on bending radius     Atterntion: Observe the permissible bending radii when laying cables, as the IP protection class can be endergreed by excessive bending torces.       Continuty     Inselfaction (Cable       Cable identification     033       Cable identification     033       Cable identification     033       Cable identificati	Pollution Degree	3
Material group (IEC 60664-1)     i       Mechanical data (Material data        Coating of titing     Nickeled       Coating of titing     nickel plated       Locking material     Zinc de-casting       Mechanical data (Mounting data        Mechanical char (Mounting data        Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic        Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operatin instellation notes        Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contermity        Product standard     DIN EN 61076-2-101 (M12)       Installation [ Cable        Cable fortpre     3       Jacket Color     yellow       Type of Certificate     cURus       Armount stranding     1       Tarversing distance (C-track)     10 m Q2 5° ° [ horizontal		0.8 kV
Mechanical data     Nickeled       Coating locking     Nickeled       Coating of titting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data [Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Operating temperature max.       Operating temperature max.     85 °C       Addition condition temperature may.     85 °C       Addition condition temperature may.     85 °C       Addition acondition temperature may.     85 °C       Note on stain reief     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 excessive bending forces.       Contomity     INE N 61076-2-101 (M12)       Installation Cable     23       Cable Type     3       Jacket Clori     yellow       Type of cortificate     culficate       Cortificate     culficate       Type of cortificate     Queriticate       Type of cortificate     Queriticate		
Coating locking     Nickeled       Coating of Itting     nickel plated       Locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     DIN EN 61076-2-101 (M12)       Installation Cable     20       Cable identification     03       Cable relitication     033       Cable identification     033       Cable identification     04 (20 °C) (Invizontal       Amount standing     1       Stranding     3 wires twisted       Wrie strangement     brown, black, blue		·
Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temporature min.     -25 °C       Operating temporature min.     -25 °C     -26 °C       Operating temporature max.     85 °C	· ·	
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 max.     85 °C       Additional condition temperature max.     85 °C     Additional condition temperature max.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       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     Cable identification       Cable identification     033       Cable identification     033       Cable identificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)		
Material screw connection     Zinc die-casting       Wechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating 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.     Product standard       Dint EN 61076-2-101 (M12)     Installation [Cable     Cable identification     033       Cable identification     033     Cable identificate     cURus       Anount stranding     1     Stranding     Stranding     Stranding       Yave of certificate     cURus     Contornal     Contornal       Type of Certificate     cURus     Contornal     Contornal       Cable identification     033     Cable identificate     CURus       Anount stranding     1     Stranding     Stranding		
Mechanical data   Mounting data       Mounting method     inserted, screwed. Shaking protection       Environmental characteristics   Climatic     Commental characteristics   Climatic       Operating temperature min.     .25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on 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     Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Querow       Type of Certificate     CURus       Amount stranding     1       Stranding     3 wi		
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable toppe     3       Cable Type     3     Jacket Color       Type of Certificate     oURus     Amount stranding       Amount stranding     1     Stranding       Stranding     3 wires twisted     Wire arrangement       brown, black, blue     Traversing distance (C-track)     10 m @ 25	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     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     Cable identification       Cable identification     033       Cable Identification     033       Cable Identification     033       Cable Identification     033       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigh     29,7 g/m       Material jacket     PUR       Shore hardress jacket     90 ± 5 Shore A	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     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable 1706     Signa (Cable 7)       Cable diputification     033     Cable Type     3       Jacket Color     yellow     Yellow     Yellow       Type of Certificate     cURus     Amount stranding     1       Stranding     3 wires twisted     Ymire arrangement     Torversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m     Material jacket     PUR     Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free     O	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     Cable Identification     033       Cable Identification     033     Cable Type       Jacket Color     yellow     Yuge of Certificate     cURus       Amount stranding     1     Stranding     Stranding     Stranding       Vire arrangement     brown, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m     Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A     Freedom from ingredients (jacket)     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm     Tolerance outer d	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.   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 033   Cable Identification 033   Cable Identification 033   Standing 1   Stranding 1   Stranding 3 wires twisted   wire arrangement brown, black, blue   Traversing distance (C-track) 10 m @ 25 °C   horizontal   Cable weigth 29, 7 g/m   Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer diameter (jacket) 4,1 mm   Tolerance outer diameter (shealth) ± 5 %   Material wire insulation PP   Amount wires 3   Outer diameter insulation 1,25 mm   Outer diameter insula	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 endangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       Cable identification     033       Cable Type     3       Jacket Color     yellow       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     14,1 mm       Tolerance outer diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       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     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification     033       Cable didentification     033     Cable Type     3       Jacket Color     yellow     Type of Certificate     CURus       Amount stranding     1     Stranding     3 wires twisted       Wrie arrangement     brown, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29, 7 g/m     Material jacket     90 ± 5 Shore A     Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm     Tolerance outer diameter (sketh)     ± 5 %       Material wire insulation     PP     Amount wires     3     Outer diameter rolerance core insulation     ± 5 %	Additional condition temperature range	depending on cable quality
Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification     033       Cable identification     033     Cable Type     3       Jacket Color     yellow     Type of Cartificate     cLRus       Amount stranding     1     Stranding     3 wires twisted       Wrise arrangement     Drown, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m     Material jacket     90 ± 5 Shore A     Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm     Tolerance outer diameter (jacket)     ± 5 %       Material wire insulation     PP     Amount wires     3     Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     1,25 mm     Gable size for the size f	Important installation notes	
Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification     033       Cable identification     033     Cable Type     3       Jacket Color     yellow     Type of Cartificate     cLRus       Amount stranding     1     Stranding     3 wires twisted       Wrise arrangement     Drown, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m     Material jacket     90 ± 5 Shore A     Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm     Tolerance outer diameter (jacket)     ± 5 %       Material wire insulation     PP     Amount wires     3     Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     1,25 mm     Gable size for the size f	•	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Note of Defining Facility   endangered by excessive bending forces.     Conformity   DIN EN 61076-2-101 (M12)     Installation   Cable   033     Cable identification   033     Cable Identification   033     Cable Identification   033     Cable Of Or Ype   3     Jacket Color   yellow     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Cable weigth   29,7 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %		
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification033Cable identification033Cable Type3Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter (sheath)± 5 %	Note on bending radius	endangered by excessive bending forces.
Installation   Cable     Cable identification   033     Cable Type   3     Jacket Color   yellow     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Cable weigth   29,7 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %	Conformity	
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Outer diameter tolerance core insulation ± 5 %		
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Shore hardness wire insulation 70 ± 5 Shore D		
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Ingredient freeness wire insulation	lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free

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: 2024-05-12



Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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