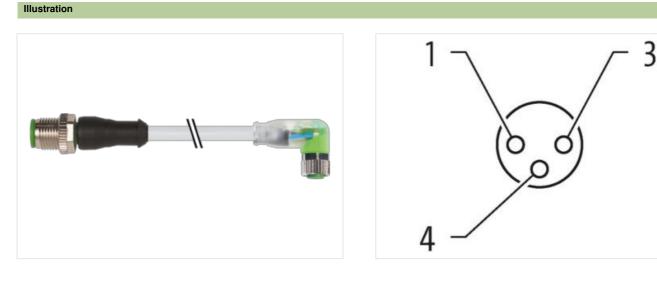


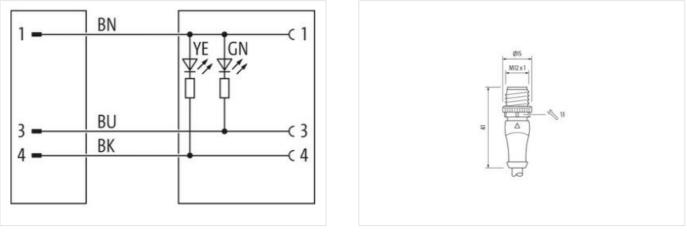
## M12 male 0° / M8 female 90° A-cod. LED

PUR 3x0.25 gy UL/CSA+drag ch. 6m

Male straight – female 90° M12 – M8, 3-pole LED (yellow/green) 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.

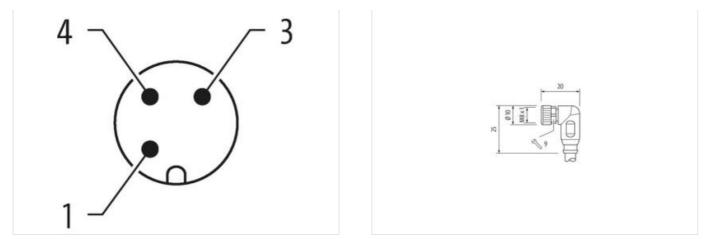
## Link to Product





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: 2024-05-03





Product may differ from Image



Cable length	6 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 $\emptyset$ )	10 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27061801
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
customs tariff number	85444290
GTIN	4048879844420

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Rate surge voltage     0,8 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking     Nickeled       Coating locking     Nickeled     Coating locking       Coating locking     Nickeled     Coating locking       Coating locking     Nickeled     Coating locking       Material sorve connection     Zinc die-casting       Material sorve connection     Zinc die-casting       Material sorve connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Cooperating temperature main.       Operating temperature main.     -25 °C       Note on stain relief     Protect the connectors by suitable measures from me	Packaging unit	1
Operating voltage DC24 VOperating voltage DC ma.18 VOperating voltage DC ma.30 VOperating voltage DC ma.30 VOperating voltage DC ma.4 ACurrent consting mov.5 mADigneticismallDigneticigene, yellowDigneticigene, yellowDigneticismallDigneticismallDigneticismallDigneticiservedDigneticiservedDigneticiservedDigneticiservedDigneticiservedDigneticiservedDigneticiservedDigneticiservedDigneticiservedDigneticiservedDigneticiservedData DepartservedDignetici	Electrical data   Supply	
Operating voltage DC min.     18 V       Operating voltage DC mix.     30 V       Operating voltage DC mix.     30 V       Current consumption max.     5 mA       Diagnostice     5 mA       Diagnostice     geen, yellow       Devise protection [lectrical     geen, yellow       Devise protection [lectrical     geen, yellow       Additional condition protoction degree     nametod, scrowed       Polution Degree     3       Radia surge voltage     0.8 kV       Material grave, tillow BC (lectrical     Image Degree       Cating Locing protoction degree     nametod, scrowed       Polution Degree     3       Cating Locing Indian     Nickeled       Cating Locing Indian     Nickeled       Cating Locing Indian     Nickeled       Cating Locing Indian     Nickeled       Cating Locing Indian     Polution Degree       Material scrow connection     Zric die casting       Material protection     Polution Cating Catin		24 V
Operating voltage DC max. (UL-folce)     90 Y       Current operating per contact max.     5 mA       Device protection   Electrical     green. yellow       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated surge voltage     0.8 N       Materal group (IEC 0606-41)     1       Mechanical data   Material data     Control (Dotting)       Operating voltage DC max. (UL-folce)     9       Control (Dotting)     Nickeled       Control (Dotting)     Nickeled       Control (Dotting)     Nickeled       Control (Dotting)     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Yello       Operating temperature min.     25 °C       Oparating temperature max.     25 °C <td< td=""><td></td><td></td></td<>		
Operating voltage DC max. (UL listed)     90 Y       Current operating per contact max.     4 A       Current operating per contact max.     5 mA       Dispositio     server operating per contact max.       Status indication LED     gron, yolkow       Device protection [lectrical     server operating per contact max.       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rade surge voltage     0.8 kV       Material group, (EC 60664-1)     1       Machanical datal     Makerial gasket       Conting tooking     Nickeled       Conting tooking     Nickeled       Conting tooking     Nickeled       Conting tooking     Tice dis casting       Material screw connection     Zine dis casting       Material screw connection     Zine dis casting       Mounting method     inserted, screwed. Shaking protection       Environmental characteristics [Climatic     Operating tomprature min.       Operating tomprature min.     25 °C       Operating tomprature min.     25 °C       Operating tomp screw costics be paromispible benomign radii when kaying cables, as the IP protection		
Current consumption max.     9 mA       Disponetize     Status indication LED       Bitus indication LED     green, yellow       Divise protection   Electrical     Additional condition protection degree       Status indication LED     insertad, serewed       Pollution Degree     9       Rated surge voltage     0.8 kV       Material group (IEC 6066-11)     I       Material group (IEC 6066-12)     I       Material group (IEC 6066-13)     I       Material group (IEC 60666-11)     I       Material group (IEC 60661-11)     Incertacy second (IEC 60661-11)       Material group (IEC 60661-11)     Incertacy second (IEC 6061-11)       Material group (IEC 60661-11)     Incertacy second (IEC 6061-11)       Deparating properature max.		
Current consumption max.     5 mA       Diagnostics     green, yellow       Device protection   Electrical     inserted, acrewed       Additional condition protection degree     inserted, acrewed       Pollution Degree     3       Rated surge votage     0.8 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Coating oching       Coating oching     Nickeilad       Coating of fitting     nickeil plated       Material gance     FKM       Locking material     Zinc die casting       Material gance     Sinde occurrent       Mouning method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Sinde occurrent       Operating temperature max.     85 °C       Acaditional condition temperature may     Attention:: Observe the permissible tending raceli subs, as		
DiagnositieStatis indication LEDgreen, yellowDevertection   ElectricalAddinard condition protection degreeinserted, screwedPolluton Degree3Rated argo yellos (Sof6ed-1)1Meteral group (Electrical)NickeledCashing LockingNickeledCashing LockingNickeledCashing LockingNickeledCashing LockingNickeledMeteral group (Electrical)Zinc dio-cashingMeteral group (Electrical)Zinc dio-cashingMaterial group were connectionZinc dio-cashingMeteral group (Electrical)Zinc dio-cashingMete		
Series indication LED     green, yellow       Device protection   Electral     inserted, sorowed       Additional condition protection   George     3       Rated surge voltage     0.8 kV       Material group (JEC 60664-1)     1       Mechanical data   Material data     Kekeled       Coating of fitting     Nickeled       Material group (JEC 60664-1)     700 dio casting       Material group (JEC 60664-1)     700 dio casting       Material group worthore     700 dio casting       Material group worthore     700 dio casting       Material active worthore     700 dio casting       Material concounter     700 dio casting       Material active worthore     700 dio casting       Pervicenter     700 dio casting       Material active worthore     700 dio casting       Pervicenter     700 dio casting       Pervicenter     700 dio casting       Pervicenter     700 dio casting       Pervicenter mano     75 dio<	·	
Additional condition protection degreeinserted, screwedPollution Degree3Pollution Degree0,8 kVMaterial group (EC 608641)IMechanical data   Material dataNickeldCoading lockingNickel platedCoading of tringNickel platedMaterial group (EC 608641)PKMLocking materialSinc die caatingMaterial grow connectionZinc die caatingMaterial grow connectionZinc die caatingMaterial grow connectionSinc die caatingMaterial screw connectionSinc die caatingPotenting temperature min.Sinc 'GOperating temperature min.Sinc 'GOperating temperature max.85 'CAdditional condition temperature max.85 'CNet on strain fieldProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.Net on strain fieldProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.Cable charitignation notesSinc ContentionProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.Cable charitignation notesSinc ContentionProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.Cable contention regrowProtect the connectors by suit	•	green, yellow
Politoin Degree     3       Rated argung (16 60664-1)     1       Mechanical data   Material data     Coating focking     Nickeled       Coating focking     Nickeled     Coating for fitting     nickel plated       Material gaseit     FXM     Coating for fitting     nickel plated       Material gaseit     Environmental characteristics   Climatic     Coating     Gaseit for	Device protection   Electrical	
Raterial group (IEC 6064-1)     I       Machinal group (IEC 6064-1)     I       Mechanical data [Material data     Coating ocling     Nickeled       Coating of fitting     nickel plated     Inc. disc. plated       Material gasket     FKM     Exc. disc. plated       Locking material     Zinc die-casting     Inc. disc. di	Additional condition protection degree	inserted, screwed
Material group (IEC 60684-1)     I       Mechanical data   Material data     Coading of King     Nickel plated       Coading of King     nickel plated     Material gasket     FKM       Locking material     Zinc die-casting     Material gasket     FKM       Mechanical data   Mounting data     Trice die-casting     Material straw 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     Inportant installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Contomity       Product standard     DN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation (Cable       Cable identification     230     Cable identification     230       Cable identification     230     Cable identification     230       Cable identification	Pollution Degree	3
Acchanical data   Material dataCoaling lockingNickeledCoaling lockingnickel platedMaterial gaskotFKMLocking materialZinc die-casilingMaterial screw connectionZinc die-casilingMetherial screw connectionTo die-casilingMounting methodInserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-25 °COperating temperature min25 °COperating temperature max.depending on cable qualityImportant installation notes-25 °CNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Mounting methodDi NE 06 1076-2-101 (M12), DIN EN 0176-2-114 (M8)Coaling Cable-230Cable identification230Cable Identification105 °CCable Identification230Cable Identification105 °CCable Identification230Cable Identification230Cable Identification10 °C 2C °C 1 (NoizontalCable Identification230Cable Identification230Cable Identification230Cable Identification230Cable Identification10 °C 2C °C 1 (NoizontalCable Vipp3Stranding1Traversing distarce (Ctrack)10 °C 2C °C 1 (NoizontalCable Weigh26 4G °mMaterial Idacket91 ± 5 Nore AFreedom from ingridentis (jacket)91 ± 5 Nore AFreedom from ingridentis	Rated surge voltage	0,8 kV
Coating lockingNickeledCoating of fittingnickel jatedMaterial gasketFKMLocking materialZinc die-castingMaterial screw connectionZinc die-castingMouting methodTor die-castingMounting methodStereds, Shaking protectionEnvironmental characteristics I Climate25° COperating temperature max.25° COperating temperature max.25° CAddition temperature max.25° COperating temperature max.25° CNote on stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Rest contromityRest controlProduct standardJon Staingerod by excessive bending forces.Cole controlgrayCable Type3Stailation (CableSingerodJacket ColorgrayType of CertificateQURusAnount stranding1StrandingSingerodJacket ColorgrayTraversing distance (C-track)10 m @ 25 Con IorizontalCable Weigh	Material group (IEC 60664-1)	I
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       Material serve connection     Zinc die-casting       Mounting method     inserted, serveved, 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     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Contention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Code dentification     Cable Coor       Cable identification     Cable Coor       Cable identification     Gas       Additional condition temperature in the permissible bending forces.     Conter       Type of Certif	Mechanical data   Material data	
Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Methanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparing temporature min.     -25 °C       Operating temporature min.     -25 °C     Comparing temporature max.     85 °C       Additional condition temperature max.     65 °C     Comparing temporature max.     85 °C       Additional condition temperature max.     65 °C     Comparing temporature max.     85 °C       Additional condition temperature max.     65 °C     Comparing temporature max.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       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.       Cohormity     Intel 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     230       Cable identification     230       Cable identification     1       Stranding	Coating locking	Nickeled
Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Methanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparing temporature min.     -25 °C       Operating temporature min.     -25 °C     Comparing temporature max.     85 °C       Additional condition temperature max.     65 °C     Comparing temporature max.     85 °C       Additional condition temperature max.     65 °C     Comparing temporature max.     85 °C       Additional condition temperature max.     65 °C     Comparing temporature max.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       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.       Cohormity     Intel 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     230       Cable identification     230       Cable identification     1       Stranding		nickel plated
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparating temperature min.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on train 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.       Contormity     Endentification       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation     230       Cable identification     230       Cable identification     230       Cable Color     gray       Type of Cortificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brow, black, blue       <		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Concention       Operating temperature min.     -25 °C       Operating temperature max.     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.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Installation   Cable     Cable of the Connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Installation   Cable     Cable of the Connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Installation   Cable     Cable of the Connectore by suitable measures from mechanical loads, e.g.		Zinc die-casting
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 may.     depending on cable quality       Important installation notes     Volta 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.       Contemity     Volta Standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     230       Cable identification     230       Cable Irge     3       Jacket Color     gray       Type of Certificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     town, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     264 grin       Material jacket     90 ± 5 Shore A		
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 may.     depending on cable quality       Important installation notes     Volta 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.       Contemity     Volta Standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     230       Cable identification     230       Cable Irge     3       Jacket Color     gray       Type of Certificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     town, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     264 grin       Material jacket     90 ± 5 Shore A	Mechanical data   Mounting data	, and the second s
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature maye     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.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contomity     Installation [Cable]       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation [Cable]     230       Cable forp     3       Jacket Color     gray       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     26.4 g/m       Material jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-tree, halogen-free, silicone-free       Outer diameter (jacket)	· · · · ·	inserted, screwed. Shaking protection
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     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     230       Cable identification     230       Cable identification     230       Cable Identification     230       Cable Identification     URUS       Anount stranding     1       Stranding     3 wires twisted       wire arrangement     URUS       Material jacket     PUR       Shore hardness jacket     90 ± 5 °C   horizontal       Cable weighth     26.4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Nore A       Freecdon from i	-	
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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), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification     230       Cable identification     230     Cable Type     3       Jacket Color     gray     Type of Certificate     cURus       Amount stranding     1     Stranding     3 wire straided       Vine arragement     brown, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     26,4 g/m     Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A     Freedom from ingredients (jacket)     90 ± 5 %       Outer-diameter (jacket)     4,1 mm     Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP		
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), DIN EN 61076-2-114 (M8)       Installation   Cable     230     Cable identification     230       Cable Identification     230     Cable Identificate     CuRus       Amount stranding     1     Stranding     CuRus       Arise traingement     brown, black, blue     Stranding     Stranding       Yire arrangement     26,4 g/m     Material jacket     PUR       Shore A Predom from ingredients (jacket)     90 ± 5 Shore A     Freedom from ingredients (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %     Material wire insulation     PP		
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     Image: Conformity       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     230       Cable identification     230       Cable Identification     Query       Standard     UPus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     26.4 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     4.1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP		
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), DIN EN 61076-2-114 (M8)Installation   CableCable identification230Cable identification230Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	•	
Note of heriding radius     endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable       Cable identification     230       Cable identification     230       Cable Type     3       Jacket Color     gray       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     26,4 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	Note on strain relief	
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification230Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3	Note on bending radius	
Installation   CableCable identification230Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3	Conformity	
Cable identification230Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3	Installation   Cable	
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Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3	Cable Type	3
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Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Type of Certificate	cURus
wire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Amount stranding	1
Traversing distance (C-track)10 m @ 25 °C   horizontalCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Stranding	3 wires twisted
Cable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	wire arrangement	brown, black, blue
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	Traversing distance (C-track)	10 m @ 25 °C   horizontal
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	Cable weigth	26,4 g/m
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	Material jacket	PUR
Outer-diameter (jacket) 4,1 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 3	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 3	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP   Amount wires 3	Outer-diameter (jacket)	4,1 mm
Amount wires 3	Tolerance outer diameter (sheath)	± 5 %
	Material wire insulation	PP
Outer diameter insulation 1,25 mm	Amount wires	3
	Outer diameter insulation	1,25 mm

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Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
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	4,5 A
Electrical resistance line constant wire	79 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	IEC 60332-2-2   UL 1581 § 1090   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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