

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

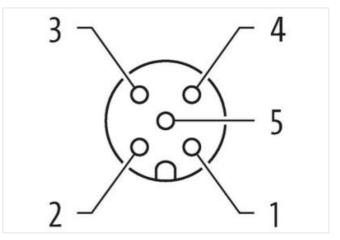
PUR 4x0.34+1x0.5 or UL/CSA+robot+drag ch. 3m

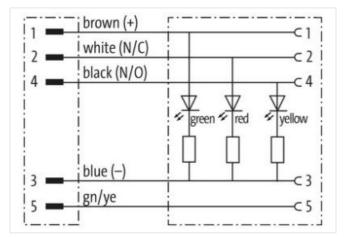
Male straight – female straight Zinc die casting, save-cover coated M12 – M12, 5-pole 3× LED (PNP), (NPN) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

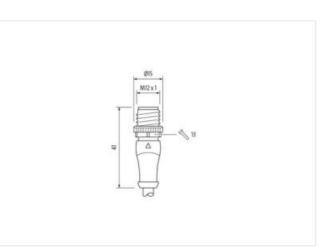
## Link to Product

Illustration



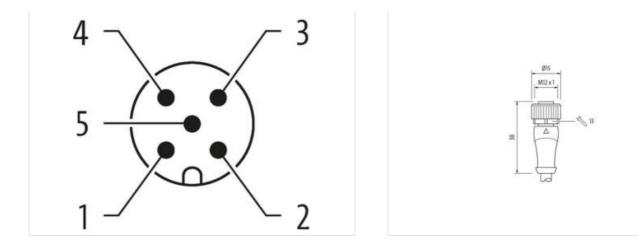






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-23





Product may differ from Image



Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, 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
Coding	A
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	4048879620338
Packaging unit	1

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-23



## Electrical data | Supply

Operating voltage DG44 VOperating voltage DG mine.18 VOperating voltage DG mine.30 VOperating voltage DG max. (UL lead)30 VConcert operating voltage roots max. (UL lead)30 VDispectorVDispectorVDispectoryeen not yeen not y	Electrical data   Supply	
Operating voltage DC max. (U-listed)         30 V           Operating voltage DC max. (U-listed)         30 V           Control operating per content max.         4 A           Diagnostics         Status indication LED         green, red, yellow           Installation [Connection         Mounting set         Mot X 1           Device protection [Exectivical         Additional contingion protection of periodic more protection of periodic more protection of Exectivical           Additional contingion protection of periodic more protection of Exectivical         Additional contingion protection of Exectivical           Machanical data [Material atta:         Contain plosing         3           Contain plosing         asfe cover conted         Contain plosing           Contain plosing         asfe cover conted         Contain plosing           Contain plosing         asfe cover conted         Contain plosing           Material crave wormection         Zinc die casting         Material Crave wormection           Zinc die casting         Material casting         Material green wormection           Material data         Material green wormection         2in C die casting           Material data         Material green wormection         2in C die casting           Material data         Material green data wormection         2in C die casting <td< td=""><td>Operating voltage DC</td><td>24 V</td></td<>	Operating voltage DC	24 V
Operating vertage DC max. (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnocitics         Batu indication LED         green, red, yellow           Installation (Connection         M12 x 1           Device protection   Electrical         0,8 kV           Material group (IEC 60064-1)         1           Mechanical dotal (Metrial data         Casting looking           Casting looking         affe-cover coated           Coating of fitting         nickel altand           Coating of fitting         nickel coateng           Material scrow connection         Zinc die casting           Material proceluw max.         26 °C <td>Operating voltage DC min.</td> <td>18 V</td>	Operating voltage DC min.	18 V
Current operaling per contact max.         4 A           Diagnostics         Status indication LED         groon, rad, yollow           Installation I Connection         Mounting set         M12 x 1           Device protection I Exectivical         Additional Conting protection degree         a           Additional Conting Devices in protection degree         a         Batter align protection degree         a           Poliution Degree         a         a         Batter align protection degree         a           Contrag to protection degree         a.8 kV         a         Batter align protection degree         a           Contrag to protection degree         a.8 kV         a         Batter align protection degree         a           Contrag to protection degree         a.8 ker verse         a         Batter align protection degree         a           Contrag to protection degree         a.8 ker verse         safe cover contend         Contrag to protection degree         a           Contrag to protect the contraget on green degree         a.8 ker verse         Status align protection         a           Material straw commention         -25 °C         Operating temperature max.         B °C         a           Additional contidination protection degree         degreen ting to protecon the contrecore by suitable measures from mechanical loads, e.	Operating voltage DC max.	30 V
Diagnosities         Status infoctation LED         green, red, yellow           Instaliation   Connection         Mill × 1           Additional condition protection   Electrical         inserted, screwed           Device protection   Electrical         isserted, screwed           Additional condition protection (segure         3           Rated surge voltage         0.8 kV           Material group (ECORDEL +)         1           Inserted, screwed         3           Rated surge voltage         0.8 kV           Material Condition protection (segure         3           Costing function         a face-cover costate           Costing function         a face-cover costate           Costing function         Zine dise casting           Material cover cornection         Zine dise casting           Material cover cornection         Zine dise casting           Protecting function         Set Co           Operating function temperature mana,         65 °C           Operating funcemperature mana,         65 °C </td <td>Operating voltage DC max. (UL-listed)</td> <td>30 V</td>	Operating voltage DC max. (UL-listed)	30 V
Stabi indication LED         green, red, yellow           Installation   Connection         Installation   Connection           Mounting set         M 12 x 1           Device predection   Electrical         Inserted, screwed           Pallution protection degree         3           Rated surge votage         0.8 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Content of the cont	Current operating per contact max.	4 A
Installation (Connection)           Mouring set         M12 x 1           Device protection   Electrical         Inserted, screwed           Additional condition protection degree         3           Rater gruey outage         0.8 kV           Material group (EC 60664-1)         1           Inserted, Screwed         Screwed           Casting I foking         safe-cover contect           Casting I foking         coster protection (EC 60664-1)           Inserted, Screwed,	Diagnostics	
Mounting ast         M12 x 1           Device protection   Electrical         Insarded, scrowed           Additional condition protection diagrae         insarded, scrowed           Additional condition protection diagrae         3           Rated surge voltage         0.8 kV           Material group (EC 60684-1)         1           Mechanical dial Material data         Economical data           Material group (EC 60684-1)         1           Costing of fitting         oxide pated           Costing of fitting         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting matho         Insarded, screwood, Shaking protection           Environmental characteristics   Climatic         Coperating ingerparature min.           Operating lemperature man.         25 °C           Operating lemperature man.         25 °C           Operating ingerparature man.         85 °C	Status indication LED	green, red, yellow
Device protection   Electrical           Addition condition protection degree         inserted, scrowed           Pollution Degree         3           Read surge voltage         0.8 kV           Material group (EC 6066-1)         1           Mechanical data   Material data         Caling loching           Cataling loching         safe-cover coated           Cataling loching         safe-cover coated           Material growe we connection         Zine die-casting           Methanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating imperature max.           Operating imperature max.         45 °C °C           Casting condition temperature max.         45 °C °C           Casting condition temperature max.         45 °C °C           Casting condition temperature max.         45 °C °C           Caberandition temperature max.         45 °C °C<	Installation   Connection	
Additional condition protection degree         inserted, screwed           Poliution Degree         3           Reted surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Scale-over coated           Coating locking         sale-over coated           Coating locking         rickel plated           Coating of thing         rickel plated           Coating material         Zinc die-casting           Material strew concortion         Zinc die-casting           Material strew concortion         Sa <sup>o</sup> C           Operating imperature max.         85 °C           Operating imperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important insialiation notes         Sca           Note on sharin reliol         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on sharin reliol         Sca           Coable domification         Sca           Cable Topo         Sca           Cable	Mounting set	M12 x 1
Pollution Degree         3           Rated surge voltage         0.8 kV           Material surge voltage         0.8 kV           Material dotal (E 60684-1)         1           Mechanical data (Material data         Coating of fitting           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material sorew 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 instaliation notes         Attention: Observe 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.           Installation         Cable quality         Important installation           Wate arrangement         brown, black, blue, white, green-yellow           Cable identification         852         Cable identification           Gable identification         852         Cable identification         952	Device protection   Electrical	
Rate surge votage         0,8 kV           Material group (EC 6064-1)         1           Mechanical data   Material data         Caaling locing           Caaling of fitting         nickel plated           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Operating temperature min.           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Addition temperature may.         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.           Installation Cable         Mybrid, Signal, Powor           Cable Type         5           Function cable         Hybrid, Signal, Powor           Jacket Coor         orange           Type of Certificate         CUFus           Amount stranding         1           Stra	Additional condition protection degree	inserted, screwed
Material group (IEC 60864-1)         I           Mechanical data   Material data         Sale-cover coated           Coating of fiting         nickel plated           Locking material         Zinc die-casting           Material screw connaction         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.           Operating temperature max.         85 °C           Additional condition temperature may.         85 °C           Additional condition temperature may.         85 °C           Additional condition temperature may.         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.           Instaltation   Cable         Hybrid, Stignal, Power           Jacket Color         Orange           Yape of Certificate         CuFlies           Amount strainding         1           Stranding         5 wites around Core filler twisted           Filler         yee           Wee arrangement         Drown, black, blue, white, green-y	Pollution Degree	3
Mechanical data   Material data           Coating locking         safe-cover coated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Incereasting           Mechanical data   Mounting data         Incereasting           Coparating temperature man.         -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 stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive deling forces.           Istallation (Cable         Hydrid, Signal, Power           Cable roppe         5           Function cable         Hydrid, Signal, Power           Jacket Cobr         orange           Type of Certificate         URNus           Additional gradius         File           Weis arrangement         brown, black, blue, white, green-	Rated surge voltage	0,8 kV
Coating locking         safe-cover coated           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         Comparing temperature main.           Operating temperature main.         -25 °C           Operating temperature main.         -25 °C           Operating temperature main.         -65 °C           Additional condition temperature main.         -25 °C           Operating temperature main.         -25 °C           Additional condition temperature main.         -25 °C           Additional condition temperature main.         -25 °C           Additional condition temperature main.         -25 °C           Coating haddition and temperature main.         -25 °C           Coating temperature main.	Material group (IEC 60664-1)	
Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temporature min.         -25 °C           Operating temporature min.         -25 °C         Operating temporature min.         -25 °C           Additional condition temperature range         depending on cable quality         Important installation notes           Note on stain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           Installation   Cable         Hereinor: Observe the permissible berding radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Brown, black, blue, white, green-yellow           Cable divertification         852           Cable Type         5           Function cable         Hybrid, Signal, Power           Jacket Color         orange           Type of Certificate         CURus           Amount stranding         1           Stranding         5 %: Stranding           Filler         yes           wire aranagement         brown, black, blue, white,	Mechanical data   Material data	
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.         -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           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition 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         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on sharin relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Installation notes           wire arrangement         brown, black, blue, white, green-yellow         Cable identification         652           Cable identification         652         Cable viet, blue, white, green-yellow         Cable viet, blue, white, green-yellow         Cabl	Coating locking	safe-cover coated
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.         -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           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition 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 bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation (Cable         Hybrid, Signal, Power         Cable identification         852           Cable identification         652         Cable identification         Gable           Jacket Color         orange         Type of Cortificate         CuBRus           Amount stranding         1         Stranding         S	Coating of fitting	nickel plated
Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic            Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes            Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending facili when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable            wire arrangement         brown, black, blue, white, green-yellow           Cable forpo         5           Function cable         Hybrid, Signal, Power           Jacket Color         orange           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable topi         5 %           Function cable         Hybrid, Signal, Power           Jacket Color         <		Zinc die-casting
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on 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.           Installation   Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         brown, black, blue, white, green-yellow           Cable identification         852           Cable identification         852           Cable Color         orange           Type of Certificate         eURus           Amount stranding         1           Stranding         5 wires around Core filter twisted           Filler         yes           wire arangement         brown, black, blue, white, green-yellow           Cable weigth         46.2 g/m           Mate	Material screw connection	Zinc die-casting
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on 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.           Installation   Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         brown, black, blue, white, green-yellow           Cable identification         852           Cable identification         852           Cable Color         orange           Type of Certificate         eURus           Amount stranding         1           Stranding         5 wires around Core filter twisted           Filler         yes           wire arangement         brown, black, blue, white, green-yellow           Cable weigth         46.2 g/m           Mate	Mechanical data   Mounting data	
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature maye         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.           Installation   Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         brown, black, blue, white, green-yellow           Cable identification         852           Addition Cable         Up was           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement		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.           Installation   Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending torces.           Installation   Cable         brown, black, blue, white, green-yellow           Cable identification         852           Cable Type         5           Function cable         Hybrid, Signal, Power           Jacket Color         orange           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         42.gr/m           Material jacket         PUR           Shore bardness jacket         54.3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter	-	
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.           Installation   Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         brown, black, blue, white, green-yellow           Cable fortification         852           Cable Type         5           Function cable         Hybrid, Signal, Power           Jacket Color         orange           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable devigith         42,82 µm           Material jacket         PUR           Shore hardness jacket         54.3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diamete	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.           Installation   Cable         wire arrangement         brown, black, blue, white, green-yellow           Cable identification         852         Cable Type         5           Function cable         Hybrid, Signal, Power         Jacket Color         orange           Type of Certificate         cURus         Amount stranding         1           Stranding         1         Stranding         5           Filler         yes         wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         46.2 g/m         Material jacket         E4.2 g/m           Material jacket         PUR         Shore hardness jacket         S8 ± 3 Shore D           Freedom from ingredients (jacket)         5.2 mm         Coler-free, halogen-free, silicone-free           Outer diameter (jacket)         5.2 mm         Coler-free, falloge		85 °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.           Installation   Cable         wire arrangement         brown, black, blue, white, green-yellow           Cable identification         852         Cable Type         5           Function cable         Hybrid, Signal, Power         Jacket Color         orange           Type of Certificate         cURus         Amount stranding         1           Stranding         5 wires around Core filler twisted         Filler           Filler         yes         wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         46,2 g/m         Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D         Filer         Se ± 3 Shore D           Freedom from ingreedients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free         Outer-diameter (jacket)         5,2 mm           Outer diameter (sheath)         ± 5 %         Material wire insulation         PP           Amount wires         4         Couter diameter insulation         PP <td></td> <td>depending on cable quality</td>		depending on cable quality
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         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Wire arrangement         brown, black, blue, white, green-yellow           Cable identification         852           Cable Type         5           Function cable         Hybrid, Signal, Power           Jacket Color         orange           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         46.2 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         5.2 mm           Tolerance outer diameter (sheath)         ± 5 %           Attention         PP           Anount wires         4           Outer diameter insulation         PP <td></td> <td></td>		
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.           Installation   Cable           wire arrangement         brown, black, blue, white, green-yellow           Cable identification         852           Cable identification         852           Cable identification         852           Cable identification         852           Function cable         Hybrid, Signal, Power           Jacket Color         orange           Type of Certificate         cJIRus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         46.2 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5.2 mm           Tolerance outer diameter (sheath)         ± 5 %.           Material wire insulation         PP           Amount wires         4           Outer diameter insulati		Distant the connectors by quitable measures from mechanical lands, e.g. by the years of cable tice
Note on bending radiusendangered by excessive bending forces.Installation   Cablewire arrangementbrown, black, blue, white, green-yellowCable identification852Cable identification852Cable Type5Function cableHybrid, Signal, PowerJacket ColororangeType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)±5 %Material wire insulationPPAnount wires4Outer diameter insulation1,25 mm		
wire arrangementbrown, black, blue, white, green-yellowCable identification852Cable Type5Function cableHybrid, Signal, PowerJacket ColororangeType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Note on bending radius	
Cable identification852Cable Type5Function cableHybrid, Signal, PowerJacket ColororangeType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46.2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Installation   Cable	
Cable Type5Function cableHybrid, Signal, PowerJacket ColororangeType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46.2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	wire arrangement	brown, black, blue, white, green-yellow
Function cableHybrid, Signal, PowerJacket ColororangeType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Cable identification	852
Jacket ColororangeType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Cable Type	5
Type of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Function cable	Hybrid, Signal, Power
Amount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Jacket Color	orange
Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Type of Certificate	cURus
Filleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Amount stranding	1
wire arrangementbrown, black, blue, white, green-yellowCable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Stranding	5 wires around Core filler twisted
Cable weigth46,2 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Filler	yes
Material jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm		
Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5,2 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm		
Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       5,2 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1,25 mm	Material jacket	PUR
Outer-diameter (jacket)     5,2 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm		
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1,25 mm		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm		
Amount wires     4       Outer diameter insulation     1,25 mm	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,25 mm	Material wire insulation	PP
Outer diameter tolerance core insulation     ± 5 %	Outer diameter insulation	
	Outer diameter tolerance core insulation	± 5 %

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-23



Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Power)	PP
Outer diameter wire insulation (Power)	1,4 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Shore hardness wire insulation (Power)	74±3 Shore D
Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Power)	1
Amount strands wire (Power)	16
Diameter of single wires (Power)	0,2 mm
Wire conductor cross section (Power)	0,5 mm <sup>2</sup>
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current carrying capacity min. wire (Power)	6,8 A
Electrical resistance line constant wire	60 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	39 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-23