

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

PUR 5x0.34 shielded gy UL/CSA+drag ch. 1.2m

Male straight – female straight M12 – M12, 5-pole A-coded shielded

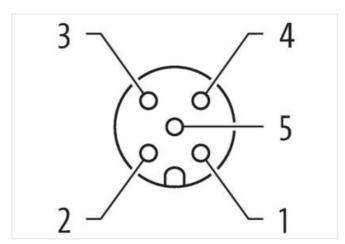
Plastic housings with good resistance against chemicals and oils.

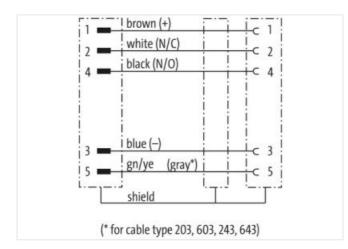
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

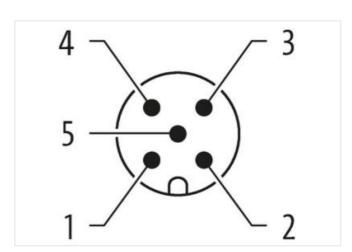
## **Link to Product**

## Illustration



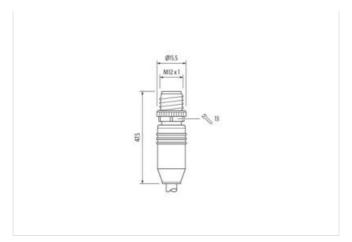


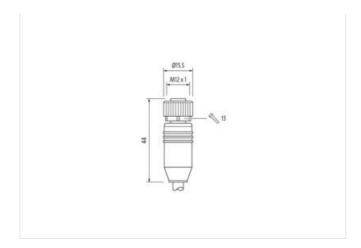






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Product may differ from Image













Cable length	1,2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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

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



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Packaging unt!         1           Electrical data Suppty         60 V           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (U. listed)         30 V           Operating voltage AC (U. listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         no           Institution   Connection           Modifical condition protection degree         no           Pollution Degree         3           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional condition protection degree         1,5 V           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional condition protection degree         without           Material data           Material data         Model           Conting Coloring         Nickeled           Conting Coloring         Nickeled           Conting Laman         Police desc	ETIM-5.0	EC001855
Peachging unit         1           Electrical data (Suppy)         60 V           Operating voltage AC max.         60 V           Operating voltage AC (Li-listed)         30 V           Objective protection (Electrical)         ************************************	customs tariff number	85444290
Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage DC Comex.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED         no           Institution [Comection         M12 x 1           Mounting set         M12 x 1           Device protection [Electrical         Device protection [Plectrical           Additional condition protection degree         13           Based surge voltage         15 KV           Mechanical data         Who I           Michanical data [Misterial data]         Vision [Vision [Visi	GTIN	4065909110751
Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage AC UL isleady         30 V           Operating voltage DC (UL-slead)         30 V           Correct operating per contact max.         4 A           Diagnostics         V           Status indication LED         no           Installation [Connection         M12 x 1           Mounting action of protection [Electrical         M12 x 1           Additional condition protection degree         1 installation (Portace protection)           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 6864-1)         1           Mechanical data         Without           Conting to climate the connection of the corrupated hose         without           Mechanical data   Material data         Michael           Coating of fitting         nickeled           Coating of fitting         nickeled           Coating of fitting         nickeled scatting           Material greatest in Classifier         FINA           Mounting method         inserted, sorewed, Shaking potection           Environmental characteristics   Climatic         Very diec easting           Poperating temperature mix.	Packaging unit	1
Operating voltage BC max.         69 V           Operating voltage AC (UL-listed)         30 V           Ournet operating per contact max.         4 A           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnosities         Status indication LED           Installation   Connection         MD   Proper contact max.           Mounting set         M12 x 1           Device protection   Electrical         Very Control operation degree           Additional condition protection degree         inserted, soewed           Pollution Degree         3           Raided surge voltage         1,5 kV           Malerial group (IEC 60684-1)         1           Mechanical data   Material data         Very Contact for corrugated hose           Mechanical data   Material data         Very Contact for corrugated hose           Mechanical data   Material data         FMA           Conting looking         Nickeled           Conting looking         Nickeled           Conting looking         FMA           Material screw connection         2 inc die casting           Metheral screw connection         2 inc die casting           Metheral screw connection         2 inc die casting           Met	Electrical data   Supply	
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Biagnostics         Status indication LEO           Installation   Connection         mo           Mounting set         MT2 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Rated surge voltage         1,5 kW           Metherial group   IEC 66664-1)         I           Mechanical data         Without Control or corrugated hose           Without Control or corrugated hose         without           Mechanical data   Material data         Without Control or corrugated hose           Coating of lifting         nickeled           Coating of lifting         nickel plated           Mechanical data   Material data         F.M.           Locking malbrial         Zinc die casting           Material goskel         F.M.           Locking malbrial         Zinc die casting           Mechanical data   Mounting data         F.M.           Fervironmental characteristics   Climatic         Correction   Comments   Correction   Correction   Correction   Correction   Correction   Correction   Correction   Correction   Correction   Correcti	Operating voltage AC max.	60 V
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Biagnostics         Status indication LEO           Installation   Connection         mo           Mounting set         MT2 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Rated surge voltage         1,5 kW           Metherial group   IEC 66664-1)         I           Mechanical data         Without Control or corrugated hose           Without Control or corrugated hose         without           Mechanical data   Material data         Without Control or corrugated hose           Coating of lifting         nickeled           Coating of lifting         nickel plated           Mechanical data   Material data         F.M.           Locking malbrial         Zinc die casting           Material goskel         F.M.           Locking malbrial         Zinc die casting           Mechanical data   Mounting data         F.M.           Fervironmental characteristics   Climatic         Correction   Comments   Correction   Correction   Correction   Correction   Correction   Correction   Correction   Correction   Correction   Correcti		60 V
Current operating per contact max.         4 A           Diagnostics         Status indication LED         no           Installation   Connection         Munifying set         M12 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Mechanical data         Without           Mechanical data   Material data         Vincentical data   Material data           Control for corrupated hose         without           Mechanical data   Material data         Vincentical data   Material data           Coating booking         Nickeled           Coating of litting         nickel plated           Material gasket         F.M           Locking material         Zinc die-casting           Mechanical data   Mounting data         Material gasket           Environmental characteristics   Climatic         Zinc die-casting           Mechanical data   Mounting data         Jack discounting to material condition temperature min.         25 °C           Operating temperature min.         25 °C         Questing temperature min.         25 °C           Operating temperature min.         25 °C         Questing temperature min.		30 V
Diagnostics           Status indication LED         no           Installation   Connection         Musualing set         M12 x 1           Device protection   Electrical         Mounting set         inserted, screwed           Pollution Degree         isserted, screwed           Pollution Degree         3         3           Raided surge voilage         1,5 kV           Material group (IEC 696841)         I         I           Mechanical data         Without         I           Mechanical data   Material data         Wickled         I           Coating locking         Nickled         I           Coating locking         Incide casting           Material gasket         FKM         I           Locking material         Zinc die casting           Mechanical data   Mounting data         Incide casting           Mechanical perpenditure min.         25 °C           Operating temperature min.         25 °C           Operating temperature range.         25 °C           Operating temperature range.         25 °C	Operating voltage DC (UL-listed)	30 V
Status indication LED         no           Installation [Connection         M12 x 1           Mounting set         M12 x 1           Device protection [Electrical]         Lectrody           Pollution Dagree         3           Facted surge voltage         1,5 kV           Material group (IEC 60684-1)         1           Mechanical data         Wilhout           Mechanical data [Material data]         Wilhout           Coating looking         Nicklede           Coating of litting         nickle plataed           Locking material         Zinc die-casting           Material gasket         FKM           Locking material         Zinc die-casting           Mechanical data [Mounting data         William (Mounting data)           Mechanical data [Mounting data         Sector           Environmental characteristics   Climatic         Cocklege (Casting Morpathur min.)         25 °C           Operating temperature max.         85 °C         Cocklege (Casting Morpathur min.)         25 °C           Additional condition temperature max.         85 °C         Cockle	Current operating per contact max.	4 A
Installation   Connection         Munuing set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Merchanical data         Westernoord (Control or our quated hose)         without           Mechanical data   Material data         Westernoord (Control our Quated hose)         Nickaled           Coating Doking         Nickaled         Mechanical data   Material data           Coating Doking         Nickaled         Mechanical data   Material gasket         FKM           Coating Doking         Nickaled         Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Mechanical data   Mounting data         Mechanical data   Mounting data           Environmental characteristics   Climatic         Coperating temperature max.         85 °C           Operating temperature max.         85 °C         Coperating temperature max.         85 °C           Additional condition temperature range depending on cable quality         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.           Note on bending radius         Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by ex	Diagnostics	
Nounting set M12 x 1  Pervice protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Contour for corrugated hose without inserted, screwed inserted, screwed inserted, screwed inserted, screwed inserted, screwed inserted, screwed inserted inserted inserted inserted screwed inserted	Status indication LED	no
Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60664-1)         I           Mechanical data         I           Contour for corrugated hose         without           Mechanical data   Material data         I           Coaling locking         Nickeled           Caaling of litting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.         85 °C           Operating temperature max.         85 °C           Additional condition temperature range         Begending on cable quality           Important installation notes         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         Altention: Observe the permi	Installation   Connection	
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684-1)         1           Mechanical data         ***Control for corrugated hose         without Mechanical data           Mechanical data   Material data         ***Control for corrugated hose           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Propertion (spender turn)         25 °C           Operating temperature max.         85 °C         Actional condition temperature range         95 °C           Appearing temperature max.         95 °C         Conditional condition temperature range         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Not on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Mounting set	M12 x 1
Pollution Degree         3           Rated surge voitage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         without           Controur for corrugated hose         without           Mechanical data   Material data         Coating of litting           Coating of litting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mechanical data   Mounting data         FKM           Mounting method         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         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 radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP pr	Device protection   Electrical	
Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1 Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled Coating of titting nickel plated Material gasket FKM Locking material Ziric die-casting Material sorew connection Ziric die-casting Mechanical data   Mounting data  Mechanical data   Mounting data  Mechanical data   Mounting data  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature max. 35 °C Operating temperature max. 35 °C  Additional condition temperature range depending on cable quality  Important installation notes  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Atlention: 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  Wite arrangement   Drown, black, blue, white, gray  Cable indentification   243  Cable Type 3  Jacket Color gray  Type of Certificate   URus  Amount stranding 1  Swires around Core filler twisted  Cable shielding (type)   Copper braid, finned  Cable shielding (type)   Copper braid, finned  Cable shielding (type)   Copper braid, finned	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)         I           Mechanical data         Weithout           Contour for corrugated hose         without           Mechanical data   Material data         Weithout           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature man.         85 °C           Additional condition temperature range         depending on cable quality           Injury temperature man.         A5 °C           Additional condition temperature range         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         Injury temperature in temperature in temperature in temperature in	Pollution Degree	3
Mechanical data         without           Mechanical data   Material data         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material serew connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature max.         85 °C           Additional condition temperature range         description           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Since defenification         243           Cable Type         3         3           Jacket Color         gray           Type of Certificate         URus           Amount stranding         1           Stranding	Rated surge voltage	1,5 kV
Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of litting nickel plated  Material gasket FKM  Locking material Screw connection Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental Characteristics   Climatic  Environmental Characteristics   Climatic  Poperating temperature max. 85 °C  Additional condition temperature range depending on cable quality  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  wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3  Jacket Color gray  Type of Certificate CURus  Amount stranding 1  Sives around Core filler twisted  Cable shielding (type) copeper braid, tinned	Material group (IEC 60664-1)	I
Mechanical data   Material data Coating locking Nickeled Coating lof fitting nickel plated Material gasket FKM Charled gasket FKM Material gasket Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endandagered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, gray Cable Itipe 3  3  3  3  3  3  3  3  4  3  3  3  3  3	Mechanical data	
Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Very construction of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Very construction of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cable tippe         3           Actional Cable tippe         3           Actional Cable tippe         3           Actional Cable tippe         4	Contour for corrugated hose	without
Coating of lifting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Weehanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comperating temperature min.         -25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Important installation notes         Volumental characteristics   Climatic         Volumental characteristics   Climatic           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         Since a round provided in the protection of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cable (definition)         243           Cable (definition)         243           Cable (definition)         24	Mechanical data   Material data	
Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Very composition of 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         brown, black, blue, white, gray           Cable identification         243           Cable Type         3           Jacket Color         gray           Type of Certificate         cullus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Cable shie	Coating locking	Nickeled
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         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.           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         Write arrangement         brown, black, blue, white, gray           Cable identification         243           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Cable shielding (coverage)	Coating of fitting	nickel plated
Metarial screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         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         brown, black, blue, white, gray           Cable identification         243           Cable identification         243           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %	Material gasket	FKM
Mechanical data   Mounting method inserted, screwed, Shaking protection  Forvironmental characteristics   Climatic  Operating temperature min25 °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 radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3  Jacket Color gray  Type of Certificate CURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	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         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard           DIN EN 61076-2-101 (M12)           Installation   Cable           wire arrangement         brown, black, blue, white, gray           Cable identification         243           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %	Mechanical data   Mounting data	
Operating temperature min. Operating temperature max. 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 radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  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 DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	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         DIN EN 61076-2-101 (M12)           Installation   Cable           wire arrangement         brown, black, blue, white, gray           Cable identification         243           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %	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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3 Jacket Color gray Type of Certificate cURus  Amount stranding 1 Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	Important installation notes	
conformity Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement brown, black, blue, white, gray Cable identification 243 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 %	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cablewire arrangementbrown, black, blue, white, grayCable identification243Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %	Conformity	
wire arrangement brown, black, blue, white, gray  Cable identification 243  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	Product standard	DIN EN 61076-2-101 (M12)
Cable identification243Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %	Installation   Cable	
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %		brown, black, blue, white, gray
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %	Cable identification	243
Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	Cable Type	3
Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 %	Jacket Color	gray
Stranding 5 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %	Type of Certificate	cURus
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 %		1
Cable shielding (coverage) 80 %	Stranding	5 wires around Core filler twisted
	Cable shielding (type)	copper braid, tinned
Banding Fleece, Foil	Cable shielding (coverage)	
	Banding	Fleece, Foil

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



Filler	yes
wire arrangement	brown, black, blue, white, gray
Cable weigth	57,2 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)	5,6 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
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)	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
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	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 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 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 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	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min