

M12 male 0° A-cod. with cable

PUR 5x0.34 gy UL/CSA+drag ch. 0.3m

Art.No.: 7000-12041-2350030

Weight: 0.024 Country of origin: US

Model designation: MSAL0-U235 0.3

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:

Male straight

A-coded

M12, 5-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

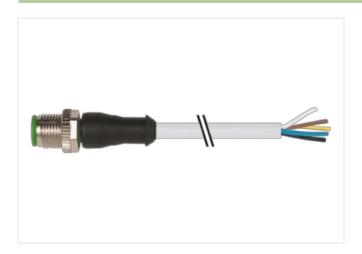
Further cable lengths on request.

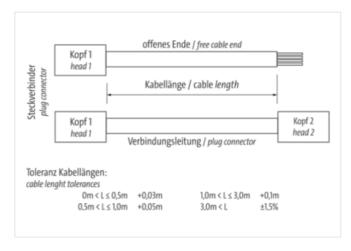
The resistance to aggressive media should be individually tested for your application. Further details on request.

Plastic housings with good resistance against chemicals and oils.

Link to Product

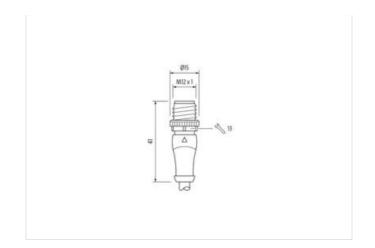
Illustration

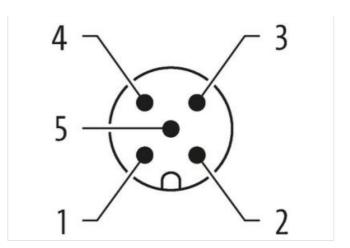






stay connected







Product may differ from Image













Cable length	0,3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
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	
Stripping length (jacket)	20 mm
Family construction form	free cable end

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: 2025-08-08



stay connected

Columb C	Commercial data	
ECLASS-70 22729218 ECLASS-8.0 2709218 ECLASS-9.0 2709218 ECLASS-10.1 27092011 ECLASS-11.1 27092011 ECLASS-12.0 27092011 ECLASS-12.0 E000 1855 customs tariff number 85444290 customs tariff number 85442290 EAN 4048879572842 EAN 40 Caleration of Internations 125 V Operating values on Contact 128 V Status indication LED no Installation Contine Electrical		AWARAAA
ECLASS-8.0 2778218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.4 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECO10185 customs tariff number 85442290 customs tariff number 65442290 EAN 404879572842 EAN 404879572842 EAN 404879572842 Packaging unit 1 Electrical data Supply Operating voltage AC max. 125 V Operating voltage DC max. 125 V Current operating per contact max. 4 A Diagnostics 1 Stripping length (jacket) 0 Mounting set M12 x 1 Device protection [Efectrical 1 Pegree of protection (## IEC 60505) 1P55, IP67, IP66K Additional condition protection degree 1 Pollution Degree 3 Additional flaverial data 1 Coating of fitting nickel plated Coating of fitting nickel plated		
ECLASS-0.0 27660311 ECLASS-0.1 27660311 ECLASS-12.0 27660311 ECLASS-12.0 27660311 ECLASS-12.0 EC060185 customs tariff number 8544220 customs tariff number 8544220 EAN 4046879572842 EAN 4046879572842 EAN 4046879572842 EAN 4046879572842 EAN 4046879572842 EAN 4046879572842 EAN 125 Operating voltage AC max. 125 V Status indication LED no Installation Citientical 10 Britishilation Citientical 10 Britishilation Citientical 10 Beyrie of protection (RM EC 80529) IPSS, IP67, IP66K Additional condition protection degree 3 <td></td> <td></td>		
ECLASS-10.1 27060311 ECLASS-12.0 27060311 ETIMA 5.0 ECO1855 customs tariff number 8544220 customs tariff number 8544220 customs tariff number 8544220 EAN 4048678572842 EAN 4048678572842 Packaging unit 1 Electrical data Supply Verantial processing of the processing of		
ECLASS-1.1.1 27660311 ECLASS-12.0 27060311 ECHASS-12.0 27060311 ETIMA-5.0 E001855 customs tariff number 85444290 EAN 4046879572842 EAN 4048879672842 EAN 4048879672842 EAN 4048879672842 EAN 4040870972842 Packaging unit 1 Electrical data Supply Operating voltage AC max. Operating voltage AC max. 125 V Operating voltage AC max. 125 V Urrent operating per contact max. 4 A Diagnostics Status indication LED User protection (EDECTICAL CONTRACTION OF ACTUAL CONTRACTION OF		
ECLASS-12.0 27080311 ETIM-5.0 EC001835 customs tariff number 85444290 customs tariff number 4048079872842 EAN 4048079872842 EAN 4048079872842 Packaging unit 1 Electrical data Supply Poperating voltage AC max. Operating voltage DC max. 125 V Current operating per contact max. 4 A Disgnostics V Stetus indication LED no Installation Connection V Stripping length (jacket) 20 mm Mounting set M2 x 1 Device protection Electrical Post (Section Electrical) Degree of protection (EN IEC 60529) 1965. IP67, IP66K Additional condition protection degree Installation Control of Post (Section Section		
ETIM-5.0 EC001885 customs tariff number 85444290 customs tariff number 85444290 EAN 4048879572842 Packaging unit 1 Packaging unit 1 Electrical data [Supply Coperating voltage AC max. Operating voltage AC max. 125 V Operating voltage DC max. 125 V Corrent operating per contact max. 4 A Diagnostics Status indication LED Status indication Connection Status indication Connection Stripping length (gacket) 20 mm Mounting set M12 x 1 Device protection (EN EC 6829) P65, IP67, IP66K Additional condition protection degree Inserted, screwed Pollution Degree 3 Additional condition protection degree Inserted, screwed Pollution Degree 1,5 kV Material group (EC 68684-1) I Mechanical data Material data Nickeled Coating locking Nickeled Coating of litting nickel plated Mechanical data Mounting data		
customs tariff number 85444290 customs tariff number 85444290 EAN 4048879572842 EAN 4048879572842 EAN 4048879572842 EAN 1 Packaging unit 1 Electrical data Supply Image: Company of the packaging of the packaging unit of paraling voltage AC max. 125 V Operating voltage DC max. 125 V Current operating per contact max. 4 A Diagnostics Image: Company of the packaging unit of paraling per contact max. 4 A Diagnostics Image: Company of the packaging unit of packaging unit		
customs tariff number 68444290 EAN 4048979572842 EAN 4048979572842 Packaging unit 1 Electrical datal Supply 1 Operating voltage AC max. 125 V Operating voltage AC max. 125 V Diagnostics 2 Status indication LED no Installation Connection 3 Stripping length (jacket) 20 mm Mounting set Mt2 x 1 Degree of protection (EN IEC 60529) IPSS, IPS7, IPS6K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 80664-1) 1 Material group (IEC 80664-1) 1 Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Mechanical data is Mounting data Mechanical data is Mounting data Mechanical data is Mounting data Every counting data Mechanical data in Mounting data Every counting dependence of pec		
EAN 4048879572842 EAN 4048879572842 EAN 4048879572842 Packaging unit 1 Packaging unit 2 Poperating voltage AC max. 125 V Operating voltage DC max. 125 V Operating voltage DC max. 125 V Current operating per contact max. 4 A Packaging per contact max. 4 A A Packaging per contact max. 4 A A Packaging per contact max. 4 A A A Packaging per contact max. 4 A A A A A A A A A A A A A A A A A A A		
EAN 4048879572842 Packaging unit 1 Electrical data Supply 1 Operating voltage AC max. 125 V Current operating per contact max. 4 A Diagnostics **** Status indication LED no no no no status max. Stripping length (gacket) 20 mm Mounting set 20 mm Mounting set M12 x 1 Device protection Electrical Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed *** Pollution Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed *** Pollution Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed *** Pollution Degree of protection (EN IEC 60529) IP65, IP67, IP66K Metal size of screwed in serted, screwed inserted, screwed, screwed inserted, screwed inserted, screwed i		
Packaging unit 1 Packaging unit 2 Poperating voltage AC max. 125 V Poperating voltage AC max. 125 V Poperating voltage BC max. 125 V Poperating voltage PC max. 125 V Poperating tender to the total packaging voltage PC max. 125 V Poperating tender to the total packaging voltage PC max. 125 V Poperating tender to the total packaging voltage PC max. 125 V Poperating tender to the total packaging unit voltage PC perating tender to the total packaging unit voltage PC perating tender to the total packaging unit voltage PC		
Packaging unit		
Periodical State Supply		
Operating voltage AC max. 125 V Operating voltage DC max. 125 V Current operating per contact max. 4 A Diagnostics V Status indication LED no installation Connection V Stripping length (jacket) 20 mm Mounting set M12 x 1 Degree of protection [Electrical V Degree of protection (Electrical V Degree of protection (Electrical Inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1 Material group (IEC 60664-1) 1 Mechanical data [Material date V Coating locking Nickeled Coating locking Nickeled Coating aterial Zinc die-casting Material screw connection Zinc die-casting Mechanical data [Mounting data Inserted, screwed, Shaking protection Mentral screw connection 30 °C Operating temperature mix. -30 °C Operating temperature mix. -30 °C	Packaging unit	1
Operating voltage DC max. 125 V Current operating per contact max. 4 A Diagnostics No Status Indication LED no Installation Connection Mix x Stripping length (jacket) 20 mm Mounting set Mt2 x 1 Device protection Electrical Device protection (EN IEC 60529) Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical datal Material data Vickeled 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 Operating temperature max. Operating temperature max. 35 °C Additional condition temperature may. 35 °C Additional condition temperature may. Attention: Observe the permissible bending radii when layi	Electrical data Supply	
Current operating per contact max. 4 A Diagnostics Status indication LED no Installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Degree of protection (EN IEC 60529) PF65, IP67, IP66K Additional condition protection degree Inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Coating focking Nickeled Coating focking naterial data Coating forking naterial Zinc die-castling Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min30 °C Operating temperature min30 °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 Attended Protection (Mit2) Installation Cable Wite arrangement Drown, black, blue, white, green-yellow Cable Identification Drown, black, blue, white, green-yellow Cable Identification		
Diagnostics		1-2-3
Status indication LED no installation Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 3, IkV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc disc-asting Material screw connection Zinc disc-asting Material screw connection Zinc disc-asting Material screw connection Zinc disc-asting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. 430 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN En 61076-2-101 (M12) Installation Cable Wire arrangement brown, black, blue, white, green-yellow Cable Identification Domain protection of the connectors of the connectors of the conformation of	Current operating per contact max.	4 A
Installation Connection Stripping length (jacket)	Diagnostics	
Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection Electrical Degree of protection (EN IEC 60529) P65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating locking nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Munting data Mechanical data Munting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Environmental characteristics Climatic Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Conformity Conformity Conformity Inistallation Cable Wire arrangement Din Kin, black, blue, white, green-yellow Coating lentification Counting area Din Kin, blue, white, green-yellow Coating conformity Coating conformity Din Kin, blue, white, green-yellow Coating conformity Din Kin, blue, white, green-yel	Status indication LED	no
Mounting set M12 x 1 Device protection Electrical Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree Inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting 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 Operating temperature min. -30 °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, green-yellow Cable identification 235	Installation Connection	
Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Multiput data Material screw connection Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min30 °C Operating temperature max85 °C Additional condition temperature range depending on cable quality Material 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 Materia Materi	Stripping length (jacket)	20 mm
Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated 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 min30 °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, green-yellow Cable identification 235	Mounting set	M12 x 1
Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated 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 min30 °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, green-yellow Cable identification 235	Device protection Electrical	
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated 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 min30 °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, green-yellow Cable identification 235		ID65 ID67 ID66V
Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated 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 min30 °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, green-yellow Cable Identification 235		
Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated 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 min30 °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, green-yellow Cable identification 235		·
Material group (IEC 60664-1) Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated 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 min30 °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, green-yellow Cable identification 235		
Mechanical data Material data Coating locking Nickeled Coating of fitting nickel plated 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 min30 °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, green-yellow Cable identification 235		·
Coating locking Nickeled Coating of fitting nickel plated 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 min30 °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, green-yellow Cable identification 235		•
Coating of fitting nickel plated 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 min30 °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, green-yellow Cable identification 235	·	
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 min30 °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, green-yellow Cable identification 235		
Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min30 °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, green-yellow Cable identification 235		`
Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min30 °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, green-yellow Cable identification 235		-
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min30 °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, green-yellow Cable identification 235	Material screw connection	Zinc die-casting
Environmental characteristics Climatic Operating temperature min. 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, green-yellow Cable identification 235	Mechanical data Mounting data	
Operating temperature min. 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, green-yellow Cable identification 235	Mounting method	inserted, screwed, Shaking protection
Operating temperature min. 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, green-yellow Cable identification 235	Environmental characteristics Climatic	
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, green-yellow Cable identification 235		-30 °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, green-yellow Cable identification 235		
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, green-yellow Cable identification 235		
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, green-yellow Cable identification 235		
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, green-yellow Cable identification 235	•	
endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement brown, black, blue, white, green-yellow Cable identification 235	Note on strain relief	
Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement brown, black, blue, white, green-yellow Cable identification 235	Note on bending radius	
Installation Cable wire arrangement brown, black, blue, white, green-yellow Cable identification 235	Conformity	
wire arrangement brown, black, blue, white, green-yellow Cable identification 235	Product standard	DIN EN 61076-2-101 (M12)
Cable identification 235	Installation Cable	
Cable identification 235	wire arrangement	brown, black, blue, white, green-yellow

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: 2025-08-08



Jacket Color	gray
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	41,8 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)	4,8 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 ²
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)	2,5 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min