

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

PUR 3x0.34 gy UL/CSA 1.5m

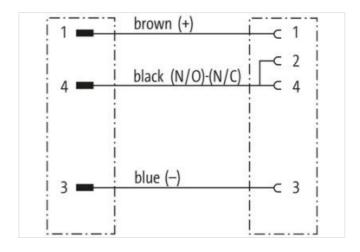
## ⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

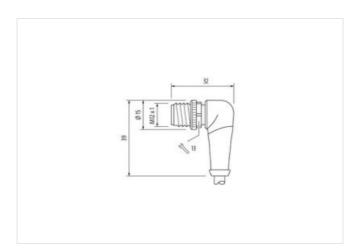
Male 90° – female straight M12 – M12, 3-pole bridged Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further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

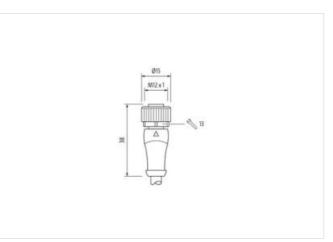
## Link to Product

Illustration



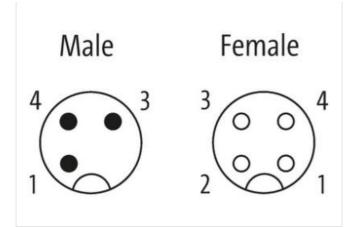






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26





Product may differ from Image



Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
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
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
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

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EALASS 1202760311ETM 5.0EC001865Catoms unif number6644200GTN404857175164Packaging uni1Electrical ctals [SupplyDevrating voltage AC max.250 VOperating voltage AC flux.250 VOperating voltage AC flux.250 VOperating voltage AC flux.30 VOperating voltage AC flux.30 VOperating voltage AC flux.4 ADiagnosticsTStals indicator LEDnoInstitution ConnectionM12 × 1Device protection [ElectricalAAdditional condition protection digenenset. ExtremedPollution Dagros3Rated agros (EG 0064-1)1Hechanical data [Material data]254 VIMaterial gross (EG 0064-1)1Hechanical data [Material data]7664Cading of timingNickeladCading of timingSine discussingMaterial gross (EG 0064-1)1Hechanical data [Material data]Sine discussingMaterial gross (EG 0064-1)1Material gross (EG 0064-1)1 <th>ECLASS-11.1</th> <th>27060311</th>	ECLASS-11.1	27060311
ETMA 50ECON0855customs taiff number85/44290GTN404897) 75/04Packaggi unit1Electrical data [Suppy]Operating voltage AC max.250 VOperating voltage AC fusc.30 VOperating voltage AC fusc.30 VOperating voltage AC fusc.4DagosticVInstallation I Connection4Morring effM12 x 1Device protection I ElectricalAdditional condition protection degrame3Rated arge voltage2.5 k/VMateral group [EG 6064-1)1Mechanical data   Material dataConting ide indication LEGmodel jatedMateral group [EG 6064-1]1Materal group [EG 6064-1]1Mechanical data   Material dataFRMConting ide indication LEG2/to ContentMateral group [EG 6064-1]1Material grapher2/to ContentMaterial grapher7/to MConting ide indication LEG2/to ContentMaterial grapher5/to ContentMaterial grapher5/to ContentMaterial grapher5/to ContentDevice protection LEGCEGEA5/to ContentElectrical Content remay6/to ContentMaterial Stress (Content remay6/to ContentContent (Conten		
outoms terrif number8544290OTN4048279175104Peckaging unit1Electrical data [SupplyOperating voltage AC max.250 VOperating voltage AC max.250 VOperating voltage CG Luistage30 VCurret operating voltage CG Luistage30 VCurret operating voltage CG Luistage30 VDesposition LEDnoIstatia indicion LEDnoIstatia indicion LEDnoIstatia group (CE 2006-11)1Mexing soltM12 x 1Device prodection IEcertrical25 kVMaterial group (CE 2006-11)1Mechanic data (Metrial data25 kVMeaning group (CE 2006-11)1Mechanic data (Metrial data25 kVMechanic data (Metrial data26 kVMechanic data (Metrial data27 kG de catingMechanic data (Metrial data27 kG de catingMechanic data (Metrial data27 kG de catingMechanic data (Metrial data10 km/kg voltageOperating (Metrial data28 kGMechanic data (Metrial data28 kGMechanic data (Metrial data10 km/kg voltage Metrica)Mechanic data (Metr		
GTM 4048079175104   Paokaging unit 1   Paokaging unitgen AC (max. 250 V   Operating voltage AC (LL-lated) 30 V   Operating voltage AC (LL-lated) 30 V   Operating voltage AC (LL-lated) 30 V   Correct operating voltage AC (LL-lated) 30 V   Device processing ac voltage voltage ac voltage ac voltage ac voltage ac voltage voltage ac voltage voltage voltage voltage ac voltage voltage ac voltage voltage voltage voltage voltage voltage voltage voltage voltage ac voltage ac voltage voltage ac voltage		
Electrical data   Supply       Operating voltage AC max.     250 V       Operating voltage AC (UL, Istod)     30 V       Operating voltage AC (UL, Istod)     30 V       Contral operating per contact max.     4 A       Description     Voltage AC (UL, Istod)       Disperating voltage AC (UL, Istod)     30 V       Contral operating per contact max.     4 A       Disperating per contact max.     4 A       Disperating per contact max.     4 A       Additional contification LED     no       Disperating per contact max.     4 A       Device protection   Electrication     Maxend       Additional contification protection dograp     3.       Politation Devices     3.       Device protection   Electrication     4.       Maxenial group (EC 60604-1)     1       Material group (EC 60604-1)     1       Maxenial group (EC 60604-1)     1       Device protection   Electrication     1       Coating of fitting     nickel plated       Material group contact data     Discle plated       Material group contact plates data group con cable quating     1		
Electrical data   Supply       Operating voltage AC max.     250 V       Operating voltage AC (UL, Istod)     30 V       Operating voltage AC (UL, Istod)     30 V       Contral operating per contact max.     4 A       Description     Voltage AC (UL, Istod)       Disperating voltage AC (UL, Istod)     30 V       Contral operating per contact max.     4 A       Disperating per contact max.     4 A       Disperating per contact max.     4 A       Additional contification LED     no       Disperating per contact max.     4 A       Device protection   Electrication     Maxend       Additional contification protection dograp     3.       Politation Devices     3.       Device protection   Electrication     4.       Maxenial group (EC 60604-1)     1       Material group (EC 60604-1)     1       Maxenial group (EC 60604-1)     1       Device protection   Electrication     1       Coating of fitting     nickel plated       Material group contact data     Discle plated       Material group contact plates data group con cable quating     1		1
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Operating voltage DC max.     250 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics		
Operating voltage AD (UL-listed)     30 V       Operating voltage AD (UL-listed)     30 V       Diagnostics     Technological (UL-listed)       Status indication LED     no       Installation (Concolon     Technological (UL-listed)       Mounting sat     M12 x 1       Device protection [Electrical     Technological (UL-listed)       Additional condition protection degree     3       Rated surge voltage     2,5 kV       Meetral argue (EC-0004-1)     1       Mechanical data   Material data     Technological (UL-listed)       Coating folking     Nickeled       Coating		
Operating voltage DC (UL-listed)     30 V       Carrent operating per contact max.     4 A       Diagnostics     Insulfaction LED       Status indication LED     no       Mounting set     M 2x 1       Device protection [Electrical     Insulfaction Degree       Additional condition protection degree     inserted, screwed       Parlution Degree     3       Rated surge voltage     2,5 kV       Material group (EC 6064-1)     1       Mechanical data   Material data     Coointg locking       Coaintg locking     Nickeled       Coaintg locking apsket     FKM       Locking material     Zine die-casting       Material gasket     FKM       Locking material     Zine die-casting       Material gasket     FKM       Conting temperature min.     -25 °C       Operating temperature range     depending on cable quality       Contromise     Exercited control on cable quality       Contromise     Exercited control on cable quality       Contromise     223       Cable identification     223       Cable identification     223 <td></td> <td></td>		
Current operating per contact max.     4 A       Diagnostics     Status indication LED     no       Installation [Connection     Installation [Connection]     Installation [Connection]       Additional condition protection degree     inserted, screwed     Polution Degree     3       Rated surge voltage     2,5 kV     Material group (IEC 60664-1)     I       Mechanical data [Meterial data]     Meterial group (IEC 60664-1)     I     Inserted (IEC ACCE)       Costing locking     Nickeled     Costing locking     Mickeled     Costing lock and and lagaked     FKM     Costing lock and and lagaked     FKM     Costing lock and and lagaked     FKM     Costing lock and and lagaked     FKM     Costing lock and and lagaked     FKM     Costing lock and and lagaked and la		
Diagnostics       Status indication LED     no       Installation   Connection     Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Addition protection or greet in serted, screwed     Politation Degree       Batted surge voltage     2,5 kV       Matterial group (EC 60684-1)     I       Hechanical data   Material data     Coating oching       Coating oching     Nickeled       Coating oching     Nickeled       Coating oching     Nickeled       Locking material     Zinc die-caating       Material gasch     FKM       Locking material     Zinc die-caating       Material gasch     Isored, screwed, Shaking protection       Enveronmental characteristics   Climatic     Isored, screwed, Shaking protection       Enveronmental characteristics   Climatic     Sing Oching       Operating temperature min.     -25 °C       Operating temperature max.     Sing °C       Additional condition temperature range     depending on cable quality       Coating Chype     2 (PUR/PVC)       Approval (cabh)     UL (WM KS		
Status indication LED     no       Insiellation   Connection     Mult x 1       Device protection   Electrical     Additional condition protection degree     inserted, scrowed       Pollution Degree     3     Rester group (Connection)     Rester group (Connection)       Material group (Connection)     2,5 kV     Rester group (Connection)     Rester group (Connection)       Material group (Connection)     1     Internet (Connection)     Rester group (Con		
Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical		
Mounting set     M12 x 1       Device protection [Electrical       Additional condition protection degree     inserted, screwed       Oblitation Eggree     3       Rated surge voltage     2,5 kV       Matterial group (EC 6064-1)     1       Mechanical data   Material data     Nickeled       Coating locking     Nickeled       Material gasket     FKM       Material gasket     Isserde, screwed, Shaking protection       Mounting method     Isserde, screwed, Shaking protection       Coating temperature max.     25 °C       Operating temperature max.     25 °C       Coating temperature max.     25 °C       Coating temperature max.     223<		no
Device protection [Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rade surge voltaga     2,5 k/V       Material group (IEC 60684-1)     1       Mechanical data   Material data     Image: Construct of Construction Construct of Construction Construstine Construction Construction Construct Construct C	Installation   Connection	
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Pollution Degree   3     Rated surge voltage   2.5 kV     Material group (IEC 60664-1)   1     Mechanical data I Material data   Coating locking     Coating locking   Nickeled     Coating jolking   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material serve connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatio   Coeting on cable quality     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     Conformity   Product standard     DiN EN 61076-2-101 (M12)   Cable     Cable identification   223     Cable identification   223     Cable identification   223     Cable identification   223     Cable weight [g/m]   35,97 g     Material wire   Cu wire, bare     Resistor (core)   <	Device protection   Electrical	
Pollution Degree   3     Rated surge voltage   2.5 kV     Material group (IEC 60664-1)   1     Mechanical data I Material data   Coating locking     Coating locking   Nickeled     Coating jolking   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material serve connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatio   Coeting on cable quality     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     Conformity   Product standard     DiN EN 61076-2-101 (M12)   Cable     Cable identification   223     Cable identification   223     Cable identification   223     Cable identification   223     Cable weight [g/m]   35,97 g     Material wire   Cu wire, bare     Resistor (core)   <	Additional condition protection degree	inserted, screwed
Rated surge voltage   2,5 kV     Material group (IEC 6068-1)   I     Mechanical data   Material data   Coating of filing     Coating of filing   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature min.     -25 °C   Operating temperature max.     48 °C   Additional condition temperature range     depending on cable quality   Conformity     Product standard   DIN EN 61076-2-101 (M12)     Cable   223     Cable fibre   223     Cable forpo   2 (PUR/PVC)     Approval (cable)   UL (AVM-Style 2049/1731), CSA; CE conform     Cable fibre   Cu wire, bare     Resistor (core)   max. 57 0/km (20 °C)     Single wire Ø (core)   0.1 mm     Construction (core)   42x 0.1 mm (multi-strand wire class 6)     Diameter (core) <td>· · ·</td> <td>3</td>	· · ·	3
Mechanical data   Material 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     Incerted, screwed, Shaking protection       Environmental characteristics   Climatic     Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature range     depending on cable quality       Conformity     Protocol standard       Protocol standard     DIN EN 61076-2-101 (M12)       Cable     Cable identification       223     Cable Type       Cable Type     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable Type     2 (PUR/PVC)       Approval (core)     max. 57 Okm (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42 × 0.1 mm (multi-strand wire class 6)       Diameter (core)     3 × 0.34 mm <sup>2</sup> AWG     similar to AWG 2	Rated surge voltage	2,5 kV
Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Cable identification     223       Cable Identification     223       Cable Sype     2 (PUR/PVC)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform       Cable wight [g/m]     35,97 g       Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)       Single wire Ø (core)     0.1 mm       Construction (core)     42× 0.1 mn (multi-strand wire class 6)       Diameter (core)     3× 0.34 mr²       AWG	Material group (IEC 60664-1)	
Coating of fitting     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     Coperating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Conformity       Product standard     DIN EN 61076-2-101 (M12)     Cable       Cable identification     223     Cable identification     223       Cable orgin (gm)     35,97 g     Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)     Single wire Ø (core)     0.1 mm       Construction (core)     42× 0.1 m (multi-strand wire class 6)     Diameter (core)     3× 0.34 mn²       AWG     similar to AWG 22     Material wire isolation     43 ± 5 D       Wire-Ø incl. isolation     43 ± 5 D     D     Material wire isolation	Mechanical data   Material data	
Coating of fitting     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     Coperating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Conformity       Product standard     DIN EN 61076-2-101 (M12)     Cable       Cable identification     223     Cable identification     223       Cable orgin (gm)     35,97 g     Material wire     Cu wire, bare       Resistor (core)     max. 57 Ω/km (20 °C)     Single wire Ø (core)     0.1 mm       Construction (core)     42× 0.1 m (multi-strand wire class 6)     Diameter (core)     3× 0.34 mn²       AWG     similar to AWG 22     Material wire isolation     43 ± 5 D       Wire-Ø incl. isolation     43 ± 5 D     D     Material wire isolation	Coating locking	Nickeled
Material gasket   FKM     Looking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Product standard     Product standard   DIN EN 61076-2-101 (M12)     Cable   Cable 100 (cable)     Cable Type   2 (PUR/PVC)     Approval (cable)   U. (AVW-Style 20549/1731), CSA; CE conform     Cable weight [g/m]   35,97 g     Material wire   Cu wire, bare     Resistor (core)   max. 57 Qkm (20 °C)     Single wire Ø (core)   0.1 mm (multi-strand wire class 6)     Diameter (core)   3 × 0.34 mm²     AWG   similar to AWG 22     Material wire isolation   PVC, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ± 5 D		
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 may.       Additional condition temperature range     depending on cable quality       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Zable identification     223       Cable identification     223     Cable Type       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform     Cable weight [g/m]       Asproval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform     Cable weight [g/m]       Material wire     Cu wire, bare     Resistor (core)     max. 57 QKm (20 °C)       Single wire Ø (core)     0.1 mm     Construction (core)     42 × 0.1 mm (multi-strand wire class 6)     Diameter (core)     3 × 0.34 mm <sup>4</sup> AWG     similar to AWG 22     Material wire isolation     PVC     Material wire isolation     QFC, cadmium-, silicone- and lead-free       Material wire isolation     QFC, cadmium-, si		
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       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Cable     Cable     Cable identification     223       Cable dientification     223     Cable yes (Conform)     Cable yes (Conform)       Approval (cable)     UL (AWM-Style 20549/1731), CSA; CE conform     Cable yes (Conform)     Sh 97 g       Material wire     Cu wire, bare     Resistor (core)     max. 57 Økm (20 °C)     Single wire Ø (core)     0.1 mm       Construction (core)     42 × 0.1 mm (multi-strand wire class 6)     Diameter (core)     3 × 0.34 mm²       AWG     similar to AWG 22     Material property wire insulation     CFC; cadmium-, silicone- and lead-free       Shore hardness wire isolation     43 ± 5 D     Wire-Ø incl. isolation     1.25 mm ±5%	-	Zinc die-casting
Mounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12)CableCable identification223Cable identification223Cable weight [g/m]35,97 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial wire isolationVCMaterial wire isolationQFC-Cable diver of the roperty wire insulationCFC- cadmium-, silicone- and lead-freeShore hardness wire isolation43 ± 5 DWire-Ø incl. isolation1.25 mm ±5%		Zinc die-casting
Mounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12)CableCable identification223Cable identification223Cable weight [g/m]35,97 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial wire isolationVCMaterial wire isolationQFC-Cable diver of the roperty wire insulationCFC- cadmium-, silicone- and lead-freeShore hardness wire isolation43 ± 5 DWire-Ø incl. isolation1.25 mm ±5%	Mechanical data   Mounting data	
Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Conformity   Product standard     Product standard   DIN EN 61076-2-101 (M12)     Cable   Cable identification     223   Cable distification     Cable identification   223     Cable distification   223     Material wire   Cu wire, bare     Resistor (core)   max. 57 Ω/km (20 °C)     Single wire Ø (core)   0.1 mm (multi-strand wire class 6) <td></td> <td>inserted, screwed. Shaking protection</td>		inserted, screwed. Shaking protection
Operating temperature min. $-25 ^{\circ}$ COperating temperature max. $85 ^{\circ}$ CAdditional condition temperature rangedepending on cable qualityConformityImage: ConformityProduct standardDIN EN 61076-2-101 (M12)CableImage: ConformityCable identification223Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]35.97 gMaterial wireCu wire, bareResistor (core)max. 57 $\Omega$ /km (20 $^{\circ}$ C)Single wire Ø (core)0.1 mmConstruction (core)42 × 0.1 mm (multi-strand wire class 6)Diameter (core)3x 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial wire isolationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ± 5 DWire-Ø incl. isolation1.25 mm ±5%		
Operating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12)CableCable identification223Cable identification223Cable identification223Cable identification210Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]35,97 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%	· · · · · ·	
Additional condition temperature range   depending on cable quality     Conformity   Image: Conformity     Product standard   DIN EN 61076-2-101 (M12)     Cable   Cable     Cable identification   223     Cable Jype   2 (PUR/PVC)     Approval (cable)   UL (AWM-Style 20549/1731), CSA; CE conform     Cable weight [g/m]   35,97 g     Material wire   Cu wire, bare     Resistor (core)   max. 57 Ω/km (20 °C)     Single wire Ø (core)   0.1 mm (multi-strand wire class 6)     Diameter (core)   3× 0.34 mm²     AWG   similar to AWG 22     Material property wire insulation   CFC-, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ±5 D     Wire-Ø incl. isolation   1.25 mm ±5%		
ConformityProduct standardDIN EN 61076-2-101 (M12)CableCable identification223Cable Type2 (PUR/PVC)Approval (cable)UL (AWM-Style 20549/1731), CSA; CE conformCable weight [g/m]35,97 gMaterial wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3x 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%		
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Material wireCu wire, bareResistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%	Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Resistor (core)max. 57 Ω/km (20 °C)Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%	Cable weight [g/m]	35,97 g
Single wire Ø (core)0.1 mmConstruction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%	Material wire	Cu wire, bare
Construction (core)42× 0.1 mm (multi-strand wire class 6)Diameter (core)3× 0.34 mm²AWGsimilar to AWG 22Material wire isolationPVCMaterial property wire insulationCFC-, cadmium-, silicone- and lead-freeShore hardness wire isolation43 ±5 DWire-Ø incl. isolation1.25 mm ±5%	Resistor (core)	max. 57 Ω/km (20 °C)
Diameter (core)   3× 0.34 mm²     AWG   similar to AWG 22     Material wire isolation   PVC     Material property wire insulation   CFC-, cadmium-, silicone- and lead-free     Shore hardness wire isolation   43 ±5 D     Wire-Ø incl. isolation   1.25 mm ±5%		0.1 mm
AWG similar to AWG 22   Material wire isolation PVC   Material property wire insulation CFC-, cadmium-, silicone- and lead-free   Shore hardness wire isolation 43 ±5 D   Wire-Ø incl. isolation 1.25 mm ±5%		
Material wire isolation PVC   Material property wire insulation CFC-, cadmium-, silicone- and lead-free   Shore hardness wire isolation 43 ±5 D   Wire-Ø incl. isolation 1.25 mm ±5%		
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Shore hardness wire isolation 43 ±5 D   Wire-Ø incl. isolation 1.25 mm ±5%		PVC
Wire-Ø incl. isolation 1.25 mm ±5%		
Color/numbering of wires br, bk, bl		
	Color/numbering of wires	br, bk, bl

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



Stranding combination	3 wires twisted
Shield	no
Material jacket	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.3 mm ±5%
Color jacket	gray
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>

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