

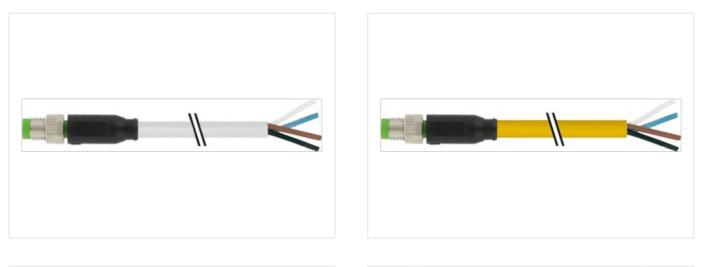
M8 male 0° A-cod. with cable

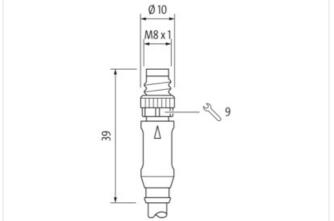
PUR 4x0.25 gy UL/CSA+drag ch. 7.5m

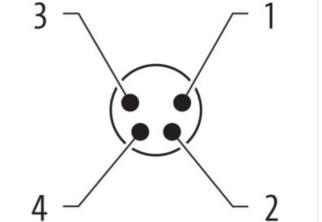
Art.No.: 7000-08011-2310750 Weight: 0.222 Country of origin: US Model designation: MSHL0-T231_7.5

Link to Product

Illustration

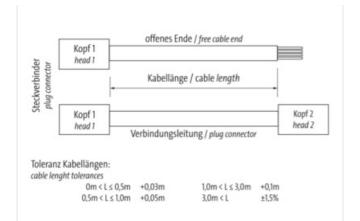


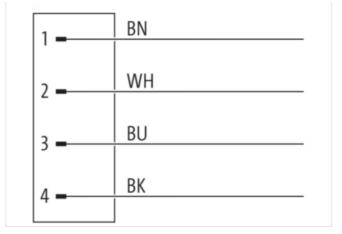




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-05







Product may differ from Image



Family construction formM8No. of poles4OudingAGendermaleMouting methodinserted, screwedThreadM8 x 1Tiphtening torque0.4 NmWidth across flatsSW9Cable outletstraightsuitable for corrugated tube (internal Ø)6.5 mmMaterialPURMaterial contactcopper alloyCoaling contactgold platedDegree of protection (EN IEC 60529)PCR, IP66, IP65Straight (iacket)20 mmContact2729218CLASS-6.027279218ECLASS-7.027260311ECLASS-7.02760311ECLASS-7.02760311ECLASS-7.02760311ECLASS-7.02760311ECLASS-7.02760311ECLASS-7.02760311ECLASS-7.02760311 <th>Side 1</th> <th></th>	Side 1	
Coding A Gender male Mounting method inserted, screwed Tirhrad M8 x 1 Tightening torque 0.4 Nm Width across flats SW9 Cable outlet straight suitable for corrugated tube (internal Ø) 6.5 mm Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2	Family construction form	M8
Gender male Mounting method inserted, screwed Thread M8 x 1 Tightening forque 0.4 Nm Width across flats SW9 Cable outlet straight suitable for corrugated tube (internal Ø) 6.5 mm Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2	No. of poles	4
Mounting method inserted, screwed Thread M8 x 1 Tightening torque 0.4 Nm Width across flats SW9 Cable outlet straight suitable for corrugated tube (internal Ø) 6.5 mm Material PUR Material contact Copper alloy Coaling contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2	Coding	A
Thread M8 x 1 Tightening torque 0.4 Nm Width across flats SW9 Cable outlet straight suitable for corrugated tube (internal Ø) 6.5 mm Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2	Gender	male
Tightening torque 0.4 Nm Width across flats SW9 Cable outlet straight suitable for corrugated tube (internal 0) 6.5 mm Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2	Mounting method	inserted, screwed
Width across flats SW9 Cable outlet straight suitable for corrugated tube (internal Ø) 6.5 mm Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2 Family construction form Family construction form free cable end Stripping length (jacket) 20 mm Commercial data URL Webshop URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-6.1 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.0 27060311 ECLASS-9.1 <	Thread	M8 x 1
Cable outlet straight suitable for corrugated tube (internal Ø) 6.5 mm Material PUR Material contact Coopper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2	Tightening torque	0.4 Nm
suitable for corrugated tube (internal Ø) 6.5 mm Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2	Width across flats	SW9
Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2 Family construction form Family construction form free cable end Stripping length (jacket) 20 mm Commercial data URL Webshop URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311	Cable outlet	straight
Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2 Pamily construction form free cable end Stripping length (jacket) 20 mm Commercial data URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.1 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27260311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311	suitable for corrugated tube (internal \emptyset)	
Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2 Family construction form free cable end Stripping length (jacket) 20 mm Commercial data URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311		
Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2 Family construction form free cable end Stripping length (jacket) 20 mm Commercial data URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 27060311 ECLASS-9.0 27060311 ECLASS-10.1 27060311 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 27060311 ECLASS-10.1 27060311		
Side 2 Family construction form free cable end Stripping length (jacket) 20 mm Commercial data		
Family construction form free cable end Stripping length (jacket) 20 mm Commercial data URL URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311	Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Stripping length (jacket) 20 mm Commercial data URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311	Side 2	
Commercial data URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311	Family construction form	free cable end
URL Webshop https://shop.murrelektronik.com/7000-08011-2310750 GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311	Stripping length (jacket)	20 mm
GTIN 4048879233095 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311	Commercial data	
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311	URL Webshop	https://shop.murrelektronik.com/7000-08011-2310750
ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311	GTIN	4048879233095
ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311	ECLASS-6.0	27279218
ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311	ECLASS-6.1	27279218
ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311	ECLASS-7.0	27279218
ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311	ECLASS-7.1	27279218
ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311	ECLASS-8.0	27279218
ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311	ECLASS-8.1	27279218
ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311		27060311
ECLASS-10.1 27060311 ECLASS-11.0 27060311	ECLASS-9.1	27060311
ECLASS-11.0 27060311	ECLASS-10.0.1	27060311
	ECLASS-10.1	27060311
ECLASS-11.1 27060311	ECLASS-11.0	27060311
	ECLASS-11.1	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: 2025-08-05



ECLASS: 13.02700011ECLASS: 14.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0EC001855ETIM-5.0S0 VOperating voltage OTmax60 VCorrert operating voltage OTmax15 VMaterial acta operating Protocol (EC 000641)1Material acta operating operating Otmax15 V/Material acta operating Protocol (EC 000641)1Material acta operating operating Otmax60 CCorrert operating operating Otmax60 CCorrert operating operating Otmax60 CCorrert operating operating Otmax60 CCorrert operating operating operating Otmax60 CCorrert operating Otmax60 C <t< th=""><th>ECLASS-12.0</th><th>27060311</th></t<>	ECLASS-12.0	27060311
ETMA.5.0 ECONTRES ETMA.7.0 ECONTRES ETMA.7.0 ECONTRES ETMA.7.0 ECONTRES ETMA.8.0 ECONTRES ETMA.8.0 ECONTRES ETMA.8.0 ECONTRES Etercical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 60 V Current operating per contact max. 4 A Diagnostics Educts indication EED no Installiation I Connection M8 x 1 Device protocotion Electrical Addition Deprose 3 Entel surge voltage 1.5 kV Material contact camer TPU Material prove protocorded fielded Camerid prove protocorded fielded Loading material Zone discretaring discretariscoramode prove protocord liscretaring camerid protocam	ECLASS-13.0	27060311
ETMA 6.0 EC001985 ETMA 7.0 EC001985 ETMA 8.0 EC001885 EAN 40487/023005 Electrical dia Supply Conclassion Operating voltage AC nax. 50 V Operating voltage AC nax. 60 V Disposition V Status indication LED no Installation I Connection Max 1 Device protection [Electrical Max 1 Device protection [Electrical No Maching et Max 1 Device protection [Electrical No Material group (CB064-1) 1 Material group (CB064-1) 1 Material group (CB064-1) 1 Material group (CB064-1) 1 Material convection Brass Conting (CB064-1) Conting of triling nokel plated Conting of triling Nokelwed Material convecting CB064-11 1 Material convecting CB064-11 1 Material convecting CB064-10 1 Material convecting CB064-10 1	ECLASS-14.0	27060311
ETIM 7.0 ECON1855 ETIM 8.0 ECON1855 ETIM 8.0 ECON1855 Electrical data [Supply 4048079233095 Electrical data [Supply 50 V Operating voltage AC max. 60 V Current operating por contact max. 4 A Diagnostics 50 V Status indication LED no Installation I Connection Max 1 Device protection I Electrical 50 V Additional contilion protection degree inserted, sorewed Politation I Operating 3 Reads auge voltage 3 Reads auge voltage 15 KV Material contact carier TPU Material contact carier Caring of titring Neckandical data [Material abital Caring of active caring Conting toxing Nakel paterial Diagonting tomproxing Rasita Conting toxing	ETIM-5.0	EC001855
FTM-4.0 ECODI BSS EAN 4048079233005 Electrical das Supply Coparating voltage AC max. 50 Y Oparating voltage AC max. 60 V Control coparating voltage DC max. 60 V Corrent operating voltage DC max. 60 V Control coparating voltage DC max. 60 V Dispositios Status indication LED no Installation I Connection Mounting set MB x 1 Device protection Electrical Additional contains protection diegnee insertied. screwed Poluton Degree 3 Poluton Degree 3 Ratel acyap (CodeGet -1) I Methal contract carlier TPU Methal code GotGet -1) Methal Code GotGet -1 Methal contract carlier TPU Methal code GotGet -1 Methal Code GotGet -1 Methal code GotGet -1 Insertied. screwed. Staking protection GotTract Code GotGet -1 Methal Code GotGet -1 Methal Code GotGet -1 Insertied. screwed. Staking protection GotTract Code GotGet -1 Methal Code GotGet -1 </td <td>ETIM-6.0</td> <td>EC001855</td>	ETIM-6.0	EC001855
EAN 404887823395 Electrical data Supply Operating voltage AC max. 50 V Operating voltage AC max. 60 V Current operating per contact max. 4 A Diagnostic Status indication LED no Installation Connection Device predection Electrical Additional condition protection degree inserted, screwed Polution Degree 3 Rated surge voltage 1.5 kV Material group (EC 60666-1) 1 Material group (EC 60666-1) 1 Material group (EC 60666-1) 1 Material acreatic carrier TPU Material acreatic carrier TPU Material acreatic carrier TPU Material acreatic carrier Neteled Mechanical data Material data Zinc die casing Casing of fingin inserted, screwed, Shaking protection Environmental Obaracteristics Climatic Since actaing Mechanical data Material data Since casing Casing of fingin inserted, s	ETIM-7.0	EC001855
Electrical data Supply Supplementation Operating voltage AC max. 60 V Operating voltage AC max. 60 V Current operating per contact max. 4 A Disposition no Transmission Concestion no Maximing act Max 1 Device protection Electrical No Additional condition protection degree 3 Rated surge voltage 3 Rated surge voltage (Some4-1) 1 Material condition protection degree 3 Rated surge voltage 15 NV Material contact rearrier TPU Material contact carrier Sone Ge casting Casting of Itting nickel plated Locking material Sore Ge casting Casting of Utting operature max. 25 °C Operating temperature max. 25 °C O	ETIM-8.0	EC001855
Operating voltage AC max.50 VOperating voltage DC max.60 VCorrent operating per contact max.4 ADisponeticsNoInstallation ICDnoInstallation I ConnectionMB x 1Device protection ElectricalInserted, screwedOutling set3Relat gray voltage1.5 kVMaterial condition protection degree1.5 kVMaterial condition protection degree3Relat gray voltage1.5 kVMaterial condition protection degree1.5 kVMaterial condition degree1.5 kVMaterial condition degree1.5 kVMouning method1.5 kVMouning method1.5 kVOperating laperature max.6.5 °COperating laperature max.6.5 °COperating laperature max.6.5 °COperating lap	EAN	4048879233095
Operating voltage DC max. 60 V Current operating per contact max. 4 A Diagnostics Status indication LED no Installation I Connection Max 1 Bowing per contact max. Max 1 Device protection [Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 3 3 Rated surge voltage 1.5 kV Material group (EC 60664-1) 1 Metrial group (EC 60664-1) 1 Metrial group (EC 60664-1) 1 Metrial group (EC 60664-1) 1 Metrial group (EC 60664-1) 1 Metrial group (EC 60664-1) 1 Metrial group (EC 60664-1) 1 Metrial group (EC 60664-1) 1 Metrial group (EC 60664-1) 1 Metrial screw connection Brass Group (EC 60664-1) 1 Metrial screw connection Brass Group (EC 60664-1) 1 Metrial actional data (Metring data Inserted, screwed, Shaking protection 1 Metrianical data (Mounting data Inserted, screwed, Shaking protection 1 Mourting temper	Electrical data Supply	
Current operating per contact max. 4 A Dagoostice Status indication LED no Installation [Concection Installation [Concection [Electrical] Mounting set M3 x 1 Device protection [Electrical] Inserted, screwed Polition Dagree 3 Rated surge voltage 1.5 kV Inserted in Concection Material group (IEC 60664-1) I Mechanical data [Material data Mechanical data [Material data] Mechanical data [Material data] Material contact carrier TPU Material contact carrier TPU Material contact carrier TPU Material contact carrier TPU Material contact carrier Material contact carrier Material screw connection Brass Coating of thing Nickeled Mechanical data [Mounting data Zino dis-casting Coating of thing Nickeled Mounting methor the insertide, screwed. Shaking protection Environmetal characteristics [Climatic Coperating temperature min. -25 °C Operating temperature min. -25 °C Coperating temperature max. B5 °C Additional condition tomperature range depending on cable quality Material shout	Operating voltage AC max.	50 V
Diagnosities Initial condition LED no Installation I (Connection) Max names of the second of the secon	Operating voltage DC max.	60 V
Statu indication LED no Installation I Connection Max 1 Mouring set Max 1 Device protection I Electrical Inserted, screwed Pollution Degree 3 Rated surge voltage 1.5 KV Material group (Electrical) I Material group (Electrical) I Material group (Electrical) I Material contact Carrier TPU Material contact Carrier TPU Material contact Carrier TPU Material contact Carrier TPU Coating of Riftion Brass Coating of Riftion Brass Coating of Riftion Inserted, screwed, Shaking protection Mounting material Zinc cile-casting Coating locking Nickelod Mounting material Serewed, Shaking protection Environmental characteristics [Climatic Incremention Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. <td>Current operating per contact max.</td> <td>4 A</td>	Current operating per contact max.	4 A
Installation Connection M8 x 1 Device protection Electrical Inserted, screwed Additional condition protection degree inserted, screwed Ditution Degree 3 Rated surge voltage 1.5 kV Material group (IEC 60664-1) 1 Hechanical data indication and an experimental data TPU Material contact carrier TPU Material contact carrier TPU Material contact carrier TPU Material contact carrier TPU Coating of Itting mickel plated Locking material Zno dise-assing Coating toking Nickeled Mounting method inserted, screwed, Shaking protection Environmetal characteristics [Climatic Environmetal characteristics [Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Protection Classes can be and angered by soccasse bending forces. Note on sharin relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of	Diagnostics	
Mounting set M8 x 1 Device protection Electrical Additional condition protection degree inserted, serewed Pollution Degree 3 Rated surge voltage 1.5 kV Material group (IEC 6066-1) 1 Mechanical data Material data TPU Material contact carrier TPU Mounting data Inserted, serewed, Shaking protection Degreatinstemperature man.	Status indication LED	no
Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltapp 1.5 kV Material group (IEC 60664-1) I Material contact carrier TPU Coating of titing nickel plated Locking material Zine die-casting Coating locking Nickeled Mechanical datal Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Coating on cable quality Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the pornisible bending radii when laying cables, as the IP protection class can be ending aread us excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable teise. Cable dentifica	Installation Connection	
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1.5 kV Material group (JCE 6068-1) 1 Mechanical data Material data Image: CE 6068-1) Material group (JCE 6068-1) 1 Material conduct carrier TPU Material screw connection Brass Coating of filing nickel plated Locking material Zinc die-casting Coating of filing nickel plated Locking material Montergemethy Mounting method inserted, screwed, Shaking protection Environmental characteristics Glimatic Operating temporature min. Operating temporature min. -25 °C Operating radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes: Conformity	Mounting set	M8 x 1
Pollution Degree 3 Rated surge voltage 1.5 kV Material group (IEC 60664-1) I Methanical data [Material data Image: Control of	Device protection Electrical	
Rated surge voltage 1.5 kV Material group (IEC 60684-1) I Mechanical data Material data TPU Material contact carrier TPU Material surge voltage nickel plated Coating of fitting nickel plated Coating of fitting nickel plated Coating locking Nickeled Mechanical data Mounting data Since decasting Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. Operating temperature max. 85 °C Additional condition temperature may depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Nole on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tles. Conformity Eastering Product strandard JIN EN 61076-2-104 (MB) Installation Cable Sinceling Cable identification 231 Cable identification 231 Cable identification 1 Strandi	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1) I Mechanical data Material data Material contact carrier TPU Material screw connection Brass Coating of filing nickel plated Locking material Zinc die-casting Coating of filing nickel plated Locking material Zinc die-casting Coating of filing nickel plated Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Environmental characteristics Climatic Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Material processive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product strand Installation Cable 231 Cable identification 231	Pollution Degree	3
Mechanical data Material data Material contact carrier TPU Material screw connection Brass Coating of fitting nickel plated Locking material Zinc die-casting Coating locking Nickeled Mechanical data Mounting data Incerted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Cable of clefutfication 231 Cable Type 3 Anount stranding 1 Stranding Wires Wire insulation PP Able wight 33 g/m Material wire insulation PP Anount stranding PP Coating radii wire insulation PP Cable weighth <td>Rated surge voltage</td> <td>1.5 kV</td>	Rated surge voltage	1.5 kV
Material contact carrier TPU Material screw connection Brass Coating of fitting nickel plated Locking material Zinc die-casting Coating locking Nickeled Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Querating temperature max. AB5 °C Additional condition temperature max. AB5 °C Additional condition temperature max. AB5 °C Additional condition temperature max. 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Eable Type Product standard DIN EN 61076-2-104 (M8) Installation Cable 231 Cable Type 3 Amount stranding 1 Stranding Wires Wires Sindiperiature insulation Mount wires 4 <	Material group (IEC 60664-1)	
Material screw connection Brass Coating of fitting nickel plated Locking material Zinc die-casting Coating locking Nickeled Mechanical data Mounting data Mounting method 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 Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Cable of bending 231 Cable Type Cable identification 231 Cable Type Cable identification 231 Cable Type Amount stranding 1 Stranding Wires Stranding Wires Material wire insulation 33 g/m Cable wighth	Mechanical data Material data	
Coating of fitting nickl plated Locking material Zinc die-casting Coating locking Nickeled Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-104 (M8) Installation Cable 231 Cable identification 231 Cable identification 231 Cable registh 33 g/m Mire arrangement brown, black, blue, white Cable weight 33 g/m Material wire insulation PP Amount wires 4	Material contact carrier	TPU
Locking material Zinc die-casting Coating looking Nickeled Mechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Coating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Contormity Installation Cable Isstallation Cable Cable identification Cable identification 231 Cable identification 1 Stranding Wires Wire arrangement brown, black, blue, white Cable wight 33 g/m Material wire insulation PP Amount wires 4	Material screw connection	Brass
Coating locking Nickeled 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 Attention: Observe 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Conformity Installation Cable Cable identification 231 Cable identification 231 Cable Type 3 Amount stranding 1 Viree arrangement brown, black, blue, white Cable weigth 33 g/m Material wire insulation PP Amount wires 4	Coating of fitting	nickel plated
Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe 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 measures from mechanical loads, e.g. by the usage of cable ties. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Cable identification 231 Cable identification 231 Cable Type 3 Armount stranding 1 Stranding Wires Wire argument brown, black, blue, white Cable weigh 33 g/m Material wire insulation PP Arount wires 4	Locking material	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 range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on bending radius Attention: Observe the permissible measures from mechanical loads, e.g. by the usage of cable ties. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Product standard DIN EN 61076-2-104 (M8) Installation Cable Zable identification 231 Cable identification 231 Zable Sagement Sittanding Wires Wires Wires Zable weigth 33 g/m Material wire insulation PP Amount wires 4 Could weigth 32 g/m	Coating locking	Nickeled
Environmental characteristics ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.ConformityProduct standardProduct standardDIN EN 61076-2-104 (M8)Installation CableCable identificationCable identification231Cable Type3Amount stranding1Wirea arangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Cuter diameter insulation1.25 mm	Mechanical data Mounting data	
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.ConformityInstallation CableProduct standardDIN EN 61076-2-104 (M8)Installation Cable231Cable identification231Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-104 (M8) Installation Cable Cable identification 231 Cable identification 231 Cable Type 3 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue, white Cable weigth 33 g/m Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm		
Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-104 (M8) Installation Cable 231 Cable identification 231 Cable identification 231 Stranding Wires Wire arrangement brown, black, blue, white Cable weigth 33 g/m Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm	Environmental characteristics Climatic	
Important installation notesNote on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.ConformityProduct standardInstallation CableDIN EN 61076-2-104 (M8)Cable identification231Cable identification231Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	· · ·	-25 °C
Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.ConformityInstallation CableCable identification231Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulation4Outer diameter insulation1.25 mm	Operating temperature min.	
Note on strain reliefendangered by excessive bending forces.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.ConformityInstallation CableInstallation Cable231Cable identification231Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max.	85 °C
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.ConformityProduct standardDIN EN 61076-2-104 (M8)Installation CableCable identification231Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range	85 °C
Product standardDIN EN 61076-2-104 (M8)Installation CableCable identification231Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes	85 °C depending on cable quality Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Installation CableCable identification231Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius	85 °C 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.
Cable identification231Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief	85 °C 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.
Cable Type3Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Amount stranding1StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
StrandingWiresWire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8)
Wire arrangement brown, black, blue, white Cable weigth 33 g/m Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable Cable identification	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8) 231
Cable weigth33 g/mMaterial wire insulationPPAmount wires4Outer diameter insulation1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable Cable identification Cable Type	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8) 231 3
Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable Cable identification Cable Type Amount stranding	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8) 231 3 1
Amount wires 4 Outer diameter insulation 1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable Cable identification Cable Type Amount stranding Stranding	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8) 231 3 1 Wires
Outer diameter insulation 1.25 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable Cable identification Cable Type Amount stranding Stranding Wire arrangement	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8) 231 3 1 Wires brown, black, blue, white
	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable Cable identification Cable Type Amount stranding Stranding Wire arrangement Cable weigth	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8) 231 3 1 Wires brown, black, blue, white 33 g/m PP
Outer diameter tolerance core insulation ± 0.05 mm	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable Cable identification Cable Type Amount stranding Stranding Wire arrangement Cable weigth Material wire insulation	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8) 231 3 1 Wires brown, black, blue, white 33 g/m PP
	Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on bending radius Note on strain relief Conformity Product standard Installation Cable Cable identification Cable Type Amount stranding Stranding Wire arrangement Cable weigth Material wire insulation Amount wires	85 °C 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. Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. DIN EN 61076-2-104 (M8) 231 3 1 Wires brown, black, blue, white 33 g/m PP 4

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: 2025-08-05



Shore hardness wire insulation	70
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Amount strands (wire)	32
Diameter of single wires	0.1 mm
Conductor crosssection (wire)	0.25 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	4.5 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	79 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s
Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3.6 A
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
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × 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
Acceleration (C-track)	10 m/s² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	180 °/m
Torsion speed	35 cycles/min

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-05