

M12 female 90° A-cod. with cable LED

PUR 5x0.34 bk UL/CSA+drag ch. 20m

Female 90° M12, 5-pole 3× LED (PNP)

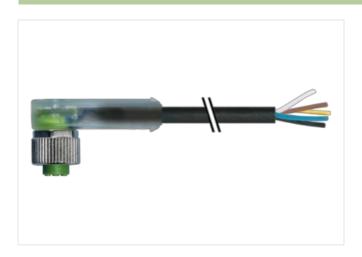
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

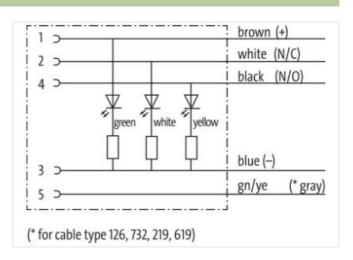
Plastic housings with good resistance against chemicals and oils.

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

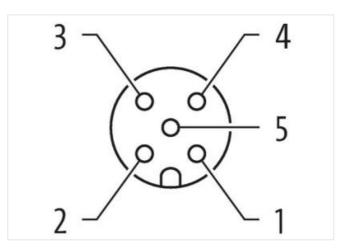
Link to Product

Illustration









Product may differ from Image











Cable length

20 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-05



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879369121
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, white, yellow
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	<u> </u>
Mechanical data Material data	
Coating locking	Nickeled
Coating locking Coating of fitting	Nickeled nickel plated
Coating locking Coating of fitting Locking material	
Coating of fitting	nickel plated
Coating of fitting Locking material	nickel plated Zinc die-casting
Coating of fitting Locking material Material screw connection	nickel plated Zinc die-casting
Coating of fitting Locking material Material screw connection Mechanical data Mounting data	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min.	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max.	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C
Coating of fitting Locking material Material screw connection Mechanical data Mounting data Mounting method Environmental characteristics Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C



stay connected

installation I Cable able demification 835 able 17ype 3 acket Color black your of Conflicted culture 1 transing 5 wires around Core filter twisted 1 transing 1 transing 5 wires around Core filter twisted 1 transing 1 transing 5 wires around Core filter twisted 1 transing 1 tran	Conformity	
installation I Cable able demification 835 able 17ype 3 acket Color black your of Conflicted culture 1 transing 5 wires around Core filter twisted 1 transing 1 transing 5 wires around Core filter twisted 1 transing 1 transing 5 wires around Core filter twisted 1 transing 1 tran	Product standard	DIN EN 61076-2-101 (M12)
able Type 3 able Type 3 able Coor black you of Certificate CIPUs mount stranding 1 transing 5 wires around Core filler twisted liber yos ine arrangement brown, black, blue, white, green-yellow reversing distance (C-track) 10 m@ 25 °C horizontal ablo woight 41.8 gm tatorial jacket PUR hore hardness jacket 90 ± 5 Shore A reader from investing (acket) 1 lead Free, cardium-free, CFC-free, halogen-free, silicone-free where diameter (acket) 4,8 mm olerance outer diameter (acket) 5 % tatorial wire insulation FP mount wires 5 5 mount wires 5 1 more hardness wire insulation 1,25 mm uiter diameter insulation 1,25 mm uiter diameter insulation 1,2 5 kmore D mount strands (wire) 42 taxoride of single wires 0,1 mm ore diameter insulation 1,2 5 kmore D m		
acker Color		
acket Color place of Corflicate cultus current standing file franding Swiese around Core filler twisted libre yes ire arrangement brown, black, blue, white, green-yellow raversing distance (C-track) 10 m @ 25 °C horizontal able weight 41.8 gm laterial jacket PUR file recodom from ingredients (jacker) laterial jacket PUR file recodom from ingredients (jacker) laterial jacket PUR deterial jacket 90 ± 5 Shore A recodom from ingredients (jacker) laterial jacket 90 ± 5 Shore A recodom from ingredients (jacker) 48.8 mm olevance outer dimeter (sheath) ± 5 % laterial wire insulation PP mount wires 5 laterial wire insulation 1.25 mm puter diameter foleance core insulation progradient freeness wire insulation pro		
Spee of Certificate CUPIUs	**	
round stranding 1 tranding 5 wires around Core filler twisted liter yes rier arrangement 5 prown, black, blue, white, green-yellow raversing distance (C-track) 10 m @ 25 °C horizontal able weigh 41,9 g/m taterial jacket PUR hore hardness jacket 90 s 5 Shore A reedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free uiter-diameter (jacket) 4,8 mm olearance under dameter (sheath) 5 5% faterial wire insulation PP mount viries 5 faterial wire insulation 1,25 mm uiter diameter insulation 1,25 mm uiter diameter foreness wire insulation 1,25 mm uiter diameter foreness wire insulation 1,25 mm uiter diameter foreness wire insulation 1,25 mm quiter diameter foreness wire insulation 1,25 mm ordustor crosssection (wire) 42 tatanated of single wires 0,1 mm conductor crosssection (wire) 0,34 mm² faterial conductor vivie wire) 4,5 manded copper wire, bare conductor crosssection (wire) 0,34 mm² faterial conductor vivie (wire) 1,5 manded cosper wire, bare conductor crosssection (wire) 1,5 mm conductor pre-wire) trained size (wire) 1,5 mm conductor pre-wire) trained case 6 cominal voltage AC max. 300 V current load capacity (rivier) 1,5 kW 60 s cover requency withstand voltage (wire - wire) 2,5 kW 60 s faterial conductor wire (wire) 3,5 kW 60 s faterial persperature min. (dynamic) 4,5 kW 60 s faterial persperature min. (dynamic) 3,5 kW 60 s faterial persperature min. (dynamic) 4,5 kW 60 s faterial persperature min. (dynamic) 5 kW 60 s faterial persperature min. (dynamic) 6,5 kW 60 s faterial persperature min. (dynamic) 7,5 kW 60 s faterial persperature min. (dynamic) 7,5 kW 60 s faterial persperature min. (dynamic) 7,5 kW 60 s fa		
Iter yes illier yes irre arrangement brown, black, blue, white, green-yellow raversing distance (C-track) 10 m @ 25 °C horizontal able weight 41,8 gm able weight 42,8 mm olerance outer diameter (soket) 4,8 mm olerance outer diameter (soket) 4,8 mm olerance outer diameter (soket) 5,5 % able of a mount wires 5 able of a mount wires 5 able of a mount wires 6 able of a mount wire insulation 70 ± 5 Shore D gredient freeness wire insulation 70 ± 5 Shore D gredient freeness wire insulation 10,1 mm able of angle wires 10 single wires 10	**	17.77
iller very superior of the properties of the pro	•	
ire arrangement brown, black, blue, white, green-yellow raversing distance (G-track) 10 m @ 25 °C) horizontal able weight 41,8 g/m laterial jackel 90 ± 5 Shore A readom from ingredients (jacket) 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free puber diameter (jacket) 14,8 mm olerance outer diameter (jacket) 14,8 mm olerance outer diameter (sheath) 15 % staterial wire insulation 12,5 mm outer diameter insulation 12,5 mm outer diameter insulation 12,5 mm outer diameter betwance core insulation 12,5 mm outer diameter betwance core insulation 15,5 % hore hardness wire insulation 170 ± 5 Shore D 10 mm outer diameter insulation 10,1 mm outer diameter insulation 10,1 mm outer diameter sit of single wires 10,1 mm outer observed in single wires 10,2 mm outer observed in single wi		
10 m @ 25 °C horizontal		•
table weigth 41,8 g/m taberial jacket PUR hore hardness jacket 90 ± 5 Shore A readom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Juiter-diameter (jacket) 4,8 mm olderance outer diameter (sheath) 5 % faterial wire insulation PP mount wires 5 futer diameter insulation 1,25 mm butter diameter insulation 2 5 % hore hardness wire insulation 70 ± 5 Shore D gredient freeness wire insulation 42 isameter of single wires 0,1 mm inductor or crosssection (wire) 42 isameter of single wires 0,1 mm inductor type (wire) strand class 6 conductor type (wire) strand class 6 cominal voltage AC max. 300 V cominal voltage AC max. 300 V comment load capacity win- wire 4,5 A contract (load capacity min- wire) 4,5 KW @ 60 s cover frequency withstand voltage (wire - wire) 2,5 kW @ 60 s cover frequency withstand voltage (wire)<		
Activitial jacket	<u> </u>	
## Procedure Fardness jacket ## Procedure Fa		
Interest		
buter-diameter (jacket) 4,8 mm olerance outer diameter (sheath) ± 5 % taterial wire insulation PP mount wires 5 Subter diameter insulation 1,25 mm buter diameter insulation 1,25 mm buter diameter insulation 70 ± 5 Shore D buter diameter swire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 islameter of single wires 0,1 mm conductor crosssection (wire) 0,34 mm² standed copper wire, bare bare conductor type (wire) strand class 6 cominal voltage AC max. 300 V current load capacity (standard) to DIN VDE 0298-4 current load capacity min. wire 4,5 A current load capacity wire wire) 2,5 kV @ 60 s C withstand voltage (wire - wire) 2,5 kV @ 60 s In. operating temperature (static) 40 °C fax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation breating resistance <t< td=""><td>*</td><td></td></t<>	*	
olerance outer diameter (sheath) ± 5 % staterial wire insulation PP mount wires 5 buter diameter insulation 1,25 mm buter diameter tolerance core insulation ± 5 % hore hardness wire insulation 70 ± 5 Shore D gredefine freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 alameter of single wires 0,1 mm conductor crosssection (wire) 0,3 mm² conductor vire Stranded copper wire, bare conductor type (wire) strand class 6 cominal voltage AC max. 300 V cominal voltage AC max. 300 V current load capacity min. wire 4,5 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2,5 kV @ 60 s cover! 2,5 kV @ 60 s lin. operating temperature (static) 40 °C laze. Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation operating temperature min. (dynamic) -25 °C operating temperature max. (dynamic) <		-
Interial wire insulation PP mount wires 5 buter diameter insulation 1,25 mm uiter diameter insulation 70 ± 5 Shore D upresent process wire insulation 70 ± 5 Shore D amount strands (wire) 42 unameter of single wires 0,1 mm conductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare conductor type (wire) strand class 6 conductor type (wire) strand class 6 controllad voltage AC max. 300 V current load capacity min. wire 4,5 A electrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2,5 kV @ 60 s cixelet, in., operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation operating temperature max. (dynamic) -25 °C operating temperature max. (dynamic) -25 °C perating temperature max. (dynamic) -25 °C viewsitance DIN EN ISO 4892-2 A lame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 temmical resistance	• •	·
Second	Tolerance outer diameter (sheath)	
buter diameter insulation 1,25 mm buter diameter tolerance core insulation 70 ± 5 Shore D gredient freeness wire insulation 70 ± 5 Shore D gredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free gredient freeness wire insulation 42 lameter of single wires 0,1 mm conductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare conductor type (wire) strand class 6 tominal voltage AC max. 300 V turrent load capacity (standard) to DIN VDE 0298-4 turrent load capacity min. wire 4,5 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2,5 kV @ 60 s flin. operating temperature (static) -40 °C lax. operating temperature mix. (dynamic) -25 °C loperating temperature max. (dynamic) -25 °C lover frequency withstand voltage (wire - wire) 2.5 kV @ 60 s line operating temperature (static) -40 °C lax. operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation		
buter diameter tolerance core insulation ± 5 % thore hardness wire insulation 70 ± 5 Shore D ligredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 liameter of single wires 0,1 mm conductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare conductor type (wire) strand class 6 conductor type (wire) strand class 6 continual 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 0/km @ 20 °C C withstand voltage (wire - wire) 2,5 kV @ 60 s cover frequency withstand voltage (wire - vire) 2,5 kV @ 60 s life, operating temperature (static) 40 °C flax, operating temperature min. (dynamic) 25 °C operating temperature min. (dynamic) 25 °C operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation N resistance DIN EN ISO 4892-2 A lame resistance	Amount wires	
hore hardness wire insulation 70 ± 5 Shore D gredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 liameter of single wires 0,1 mm Onductor crosssection (wire) 0,34 mm² faterial conductor wire Stranded copper wire, bare strands (alass 6 forminal voltage AC max. 300 V turrent load capacity (standard) turrent load capacity min. wire 4,5 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) cover frequency withstand voltage (wire - cover frequency withstand voltage (wire - cover frequency minester (static) dax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation V resistance DIN EN ISO 4892-2 A lame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 hermical resistance Good, application-related testing lial resistance Good on the form of the first proper wire, bare dending radius (fixed) 5 × Outer diameter lial Resistance Lial Resist	Outer diameter insulation	·
lagredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free mount strands (wire) 42 liameter of single wires 0,1 mm conductor crosssection (wire) 0,34 mm² laterial conductor wire Stranded copper wire, bare conductor type (wire) strand class 6 lominal voltage AC max. 300 V turnent load capacity (standard) to DIN VDE 0298-4 turnent load capacity (standard) to DIN VDE 0298-4 turnent load capacity min. wire 4,5 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2,5 kV @ 60 s cover frequency withstand voltage (wire - cket) 30 °C 0 lax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation V resistance DIN EN ISO 4892-2 A lame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 hemical resistance Good, application-related testing itemperature mine (dynamic) 5 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 ×	Outer diameter tolerance core insulation	
Manuel strands (wire) 42	Shore hardness wire insulation	
Diameter of single wires 0,1 mm 0,34 mm² 0,34		<u> </u>
Aderial conductor wire Stranded copper wire, bare Stranded copper wire, bare Strand class 6 Sominal voltage AC max. Som V Fourier I load capacity (standard) Fourier I load capacity (standard) Fourier I load capacity min. wire 4.5 A Fourier I load capacity min. wire 4.5 A	Amount strands (wire)	42
Interial conductor wire Stranded copper wire, bare strand class 6 stranded copper wire, bare strand class 6 str	Diameter of single wires	0,1 mm
strand class 6 forminal voltage AC max. 300 V furrent load capacity (standard) to DIN VDE 0298-4 furrent load capacity min. wire 4.5 A flectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2.5 kV @ 60 s flin. operating temperature (static) -40 °C flax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature min. (dynamic) -25 °C perating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation IV resistance DIN EN ISO 4892-2 A lame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 hemical resistance Good, application-related testing size of inserting temperature (sixed) 5 x Outer diameter ending radius (fixed) 5 x Outer diameter fracel speed (C-track) 10 Mio. @ 25 °C 10 of torsion cycles 2 Mio. orsion stress ± 180 °/m	Conductor crosssection (wire)	0,34 mm ²
tominal voltage AC max. 300 V turrent load capacity (standard) turrent load capacity min. wire 4,5 A lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2,5 kV @ 60 s cover frequency withstand voltage (wire - cover of the properties o	Material conductor wire	Stranded copper wire, bare
turrent load capacity (standard) to DIN VDE 0298-4 durrent load capacity min. wire 4,5 A lectrical resistance line constant wire 57 \(\Omega I/M \text{\text	Conductor type (wire)	
A,5 A lectrical resistance line constant wire C withstand voltage (wire - wire) 2,5 kV @ 60 s lower frequency withstand voltage (wire - cket) cover frequency withstand voltage (wire - cket) cover frequency withstand voltage (wire - 2,5 kV @ 60 s lower frequency withstand voltage (wire - cket) coverating temperature (static) A0 °C dax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation perating temperature max. (dynamic) Poreating temperature max. (dynamic) Por resistance DIN EN ISO 4892-2 A lame resistance Good, application-related testing liresistance Good, application-related testing liresistance Good, application-related testing liresistance Good, application-related testing lireding radius (fixed) 5 x Outer diameter ravel speed (C-track) 10 Mio. @ 25 °C liresion stress ± 180 °/m	Nominal voltage AC max.	300 V
lectrical resistance line constant wire 57 Ω/km @ 20 °C C withstand voltage (wire - wire) 2,5 kV @ 60 s ower frequency withstand voltage (wire - coket) John operating temperature (static) 40 °C Jax. 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 IV resistance DIN EN ISO 4892-2 A Iame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Ihemical resistance Good, application-related testing Joil resistance Good, application-related testing Joil resistance Good, application-related testing DIN EN 60811-404 Hending radius (fixed) 5 x Outer diameter Journal of the fixed of t	Current load capacity (standard)	to DIN VDE 0298-4
C withstand voltage (wire - wire) cover frequency withstand voltage (wire - coket) 2,5 kV @ 60 s 2,5 kV @ 60	Current load capacity min. wire	*
cover frequency withstand voltage (wire - cket) 2,5 kV @ 60 s fin. operating temperature (static) 40 °C fax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Oversity resistance DIN EN ISO 4892-2 A Iame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Inhemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Fending radius (fixed) 5 x Outer diameter Fending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C 10. of torsion cycles ± 180 °/m	Electrical resistance line constant wire	
Acket) 2,5 kV @ 60 s Alin. operating temperature (static) 40 °C Alax. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Apperating temperature min. (dynamic) Apperating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Apperating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Apperating temperature max. (dynamic) By resistance DIN EN ISO 4892-2 A Idame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Application-related testing Application-related testing Application-related testing Application-related testing DIN EN 60811-404 Application-related testing DIN EN 60811-404	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
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 Over resistance DIN EN ISO 4892-2 A Ilame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Inhemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Inhemical resistance Good, application-related testing DIN EN 60811-40	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) OPERATOR OF COMMON OPERATOR OF COMMON OPERATOR OPERAT	Min. operating temperature (static)	-40 °C
Apperating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A Ilame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Inemical resistance Good, application-related testing Good, application-related testing DIN EN 60811-404 Fending radius (fixed) 5 x Outer diameter Fending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C Io. of torsion cycles 2 Mio. First Stance 2 Mio. First Stance 10 Mio. @ 25 °C 2 Mio. First Stance 2 Mio. First Stance 10 Mio. @ 25 °C 2 Mio. First Stance 2 Mio. First Stance 10 Mio. @ 25 °C 2 Mio. First Stance 10 Mio. @ 25 °C	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
DIN EN ISO 4892-2 A Idame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 hemical resistance Good, application-related testing dissoline resistance Good, application-related testing bil resistance Good, application-related testing DIN EN 60811-404 fending radius (fixed) 5 x Outer diameter fending radius (dynamic) 10 x Outer diameter fravel speed (C-track) 10 Mio. @ 25 °C 10 of torsion cycles 2 Mio. forsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
lame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 hemical resistance Good, application-related testing asoline resistance Good, application-related testing bil resistance Good, application-related testing DIN EN 60811-404 rending radius (fixed) 5 x Outer diameter lending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 10 Mio. @ 25 °C lo. of torsion cycles 2 Mio. orsion stress ± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
hemical resistance Good, application-related testing DIN EN 60811-404 sending radius (fixed) 5 x Outer diameter sending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 10 Mio. @ 25 °C lo. of torsion cycles 2 Mio. orsion stress ± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Good, application-related testing DIN EN 60811-404 Sending radius (fixed) Southar diameter Sending radius (dynamic) Travel speed (C-track) Southar diameter To Noic. @ 25 °C Southar diameter To Noic. @ 25 °C To Southar diameter To Noic. @ 25 °C	Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Good, application-related testing DIN EN 60811-404 lending radius (fixed) 5 x Outer diameter lending radius (dynamic) 10 x Outer diameter lending radius (dynamic) 10 Mio. @ 25 °C lo. of torsion cycles 2 Mio. lorsion stress ± 180 °/m	chemical resistance	Good, application-related testing
sending radius (fixed) 5 x Outer diameter sending radius (dynamic) 10 x Outer diameter seravel speed (C-track) 10 Mio. @ 25 °C solo. of torsion cycles 2 Mio. sorsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
lending radius (dynamic) 10 x Outer diameter ravel speed (C-track) 10 Mio. @ 25 °C 10. of torsion cycles 2 Mio. forsion stress ± 180 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
ravel speed (C-track) 10 Mio. @ 25 °C lo. of torsion cycles 2 Mio. orsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
lo. of torsion cycles 2 Mio. forsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
orsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
orsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min