

## M12 female 90° A-cod. with cable LED

PUR 5x0.34 bk UL/CSA+drag ch. 3m

Female 90° M12, 5-pole 3× LED (PNP)

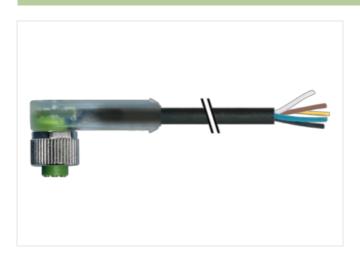
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

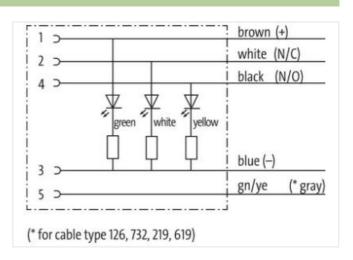
Plastic housings with good resistance against chemicals and oils.

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

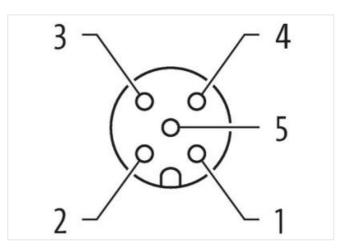
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

3 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: 2024-05-04



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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	4048879201957
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	***
	nana ulika usllau
Status indication LED	green, white, yellow
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	Second of account
	inserted, screwed
Pollution Degree	Insertea, screwea 3
Pollution Degree Rated surge voltage	·
	3
Rated surge voltage	3
Rated surge voltage Material group (IEC 60664-1)	3
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data	3 0,8 kV I
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking	3 0,8 kV I Nickeled
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting	3 0,8 kV I Nickeled nickel plated
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material	3 0,8 kV I Nickeled nickel plated Zinc die-casting
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection	3 0,8 kV I Nickeled nickel plated Zinc die-casting
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  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	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  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  Important installation notes	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C depending on cable quality
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  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	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection -25 °C 85 °C

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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           record irror invested         9.0 ± 5 Shore A           record irror invested         4.8 mm           olerance outer diameter (abeath)         ± 5 %           statisfied wise insulation         PP           mount wise         5           butter diameter insulation         1,25 mm           buter diameter insulation         1,25 mm           buter diameter insulation         1,2 5 km           buter diameter insulation		
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 one insulation  progradient freeness wire insulation  prog		
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 flaindard) 1,5 mm  current load capacity min. wire 4,5 A  current load c		
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) 15 % laterial wire insulation PP mount wires 5 5 hore hamber insulation 1,25 mm buter diameter insulation 1,25 mm buter diameter betwance core insulation 1,25 mm buter diameter betwance core insulation 1,25 mm buter diameter		
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 (glacket)         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         72 ± 5 Shore D           gredient freeness wire insulation         42           isameter of single wires         0.1 mm           inductor or crossection (wire)         42           isameter of single wires         0.1 mm           inductor type (wire)         strand class 6           conductor type (wire)         strand class 6           comminal voltage AC max.         300 V           comminal voltage AC max.         300 V           comminal voltage (wire -wire)         2,5 kW @ 60 s           cover frequency withstand voltage (wire - wire)         2,5 kW @ 60 s           cover frequency withstand voltage		
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         and class 6           controlled to type (wire)         strand class 6           cominal voltage AC max.         300 V           current load capacity (standard)         to DIN VDE 0298-4           current load capacity (standard)         to DIN VDE 0298-4           current load capacity wire wire)         2,5 kV @ 60 s           c withstand voltage (wire - wire)         2,5 kV @ 60 s           c wire fiquency withstand voltage (wire - wire)         2,5 kV @ 60 s           fin. operating temperature (static)         40 °C           fixe, operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           bereating tempera	*	
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)         <		<del>-</del>
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           lov (Fisistance)         DIN EN ISO 4892-2 A           lame resistance         DIN EN ISO 4892-2 A           lame resistance         Good, application-related testing           loil (resistance)         Good, applica		
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 <sup>2</sup>
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 IDIN EN 60811-404  Hending radius (fixed) 5 x Outer diameter  Journal of the fixed of th	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  Inequality (fixed)  5 x Outer diameter  Inequality (dynamic)  10 x Outer diameter  Inequality (dynamic)  10 x Outer diameter  Inequality (C-track)  10 Mio. @ 25 °C  Inequality (dynamic)	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