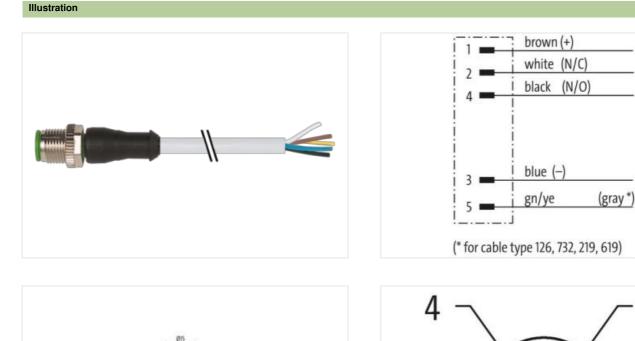


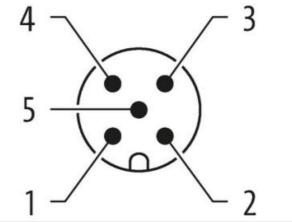
## M12 male 0° A-cod. with cable

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

Male straight A-coded M12, 5-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request. Plastic housings with good resistance against chemicals and oils.

## Link to Product





Product may differ from Image



Cable length

Side 1

Tightening torque

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: 2024-05-20

5 m

0,6 Nm



Family construction form     M12       Parada     M12 × 1       autable for comqueted tube (internal 0)     10 mm       Cading     A       Matrial     PUR       Widh access flats     SW13       Degree of proteintion (EN ECE 00530)     IP65, IP66K, IP67       Stice 2     Stice 2       Stripping length (tacket)     20 mm       Commercial construction (EN ECE 00530)     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-10.1     27060311       ECLASS-10.2     27060311       ECLASS-11.1     27069311       ECLASS-12.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27069311       ECLASS-12.0     27060311       ECLASS-13.0     ECO10555       Contractid data   Suppiv	Mounting method	inserted, screwed
autable for corrupated tube (internal 0)     10 mm       Carding     A       Material     PUR       With accoss flats     SW13       Degree of protection (EN EC 60259)     PB6, IPB0R, IPB7       Side 2     Side 2       Side 3     SW13       Commercial data     Commercial data       ECLASS 6.0     27279218       ECLASS 5.1     27279218       ECLASS 5.0     27279218       ECLASS 5.0     2729218       ECLASS 5.0     27090311       EVAS 5.0     27000311       EVAS 5.0 <t< td=""><td>Family construction form</td><td>M12</td></t<>	Family construction form	M12
Coding     A       Material     PUR       With across flats     SW13       Dagree of protection (EN ECE 06529)     IP65. IP66K, IP67       Side 2     Stripping length (tacker)     20 mm       Commercial data     E       ECLASS 6.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27279218       ECLASS 9.0     27279218       ECLASS 9.0     27260311       ECLASS 1.1     27060311       ECLASS 1.2     25 V       Operating voltage AG max.     125 V       Operating voltage AG max.     125 V       Operating voltage AG (UL-Listed)     30 V       Carrent operating voltage AG (UL-Listed)     30 V       Carrent operating voltage AC (UL-Listed)     30 V	Thread	M12 x 1
Material     PUR       Width across flats     SW13       Degree of protection (EN IEC 60559)     IPSE, IP66K, IP67       Side 2     Stripping length (tacket)     20 mm       Commercial data     ECLASS-6.0     27279218       ECLASS-6.0     27279218     ECLASS-6.0       ECLASS-6.0     27279219     ECLASS-6.0       ECLASS-6.0     27279219     ECLASS-6.0       ECLASS-6.0     27279219     ECLASS-6.0       ECLASS-6.0     27279219     ECLASS-6.0       ECLASS-6.0     27260311     ECLASS-6.0       ECLASS-10.1     27060311     ECLASS-6.0       ECLASS-10.2     27060311     ECLASS-6.0       ECLASS-10.0     27060311     ECLASS-6.0       ECLASS-10.0     27060311     ECLASS-10.0       ECLASS-10.0     27060311     ECCASS-12.0       ECMASS-10.0     EC001985     Counter and acceleration and	suitable for corrugated tube (internal $\emptyset$ )	10 mm
Widh across flats     SW13       Dagree of protection (EN IEC 60529)     IP55, IP66K, IP57       Sinping length (jacker)     20 mm       Connectial date     E       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27290311       ECLASS-8.10.1     27060311       ECLASS-8.10.2     27060311       ECLASS-8.10.3     27060311       ECLASS-8.10.4     27060311       ECLASS-8.10.7     27060311       ECLASS-8.10.8     27060311       ECLASS-8.10.1     27060311       ECLASS-10.1     27060311       ECLASS-10.1     27060311       ECLASS-10.1     1       Bederid data Suppy     1       Operating voltage AC max.     125 V       Operating voltage AC (UL-listed)	Coding	Α
Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Side 2     Stripping length (jacket)     20       Commercial data     E     E       ECLASS-6.0     27279218     E       ECLASS-6.1     27279218     E       ECLASS-6.0     27279218     E       ECLASS-6.0     27279218     E       ECLASS-6.0     27279218     E       ECLASS-6.0     27279218     E       ECLASS-7.0     27279218     E       ECLASS-8.0     27060311     E       ECLASS-1.0     27060311     E       ECLASS-12.0     27060311     E       ECLASS-12.0     27060311     E       ETIM-5.0     E     E       GOTN     404879217132     E       Packaging unit     1     E       Effectical data [ Suppy     E     V       Operating voltage AC (Wax.     125 V     Operating voltage AC (Wax.     125 V       Operating voltage CD (max.     125 V     Operating voltage CD (Wax.     125 V       Operating voltage CD (Wax.	Material	PUR
Side 2       Sirbgin length (jacket)     20 mm       Commarcial data     2000000000000000000000000000000000000	Width across flats	SW13
Shipping length (jacket)     20 mm       Commercial data     27279218       ECLASS 6.0     27279218       ECLASS 6.1     27279218       ECLASS 6.0     2726031       ECLASS 6.0     27260311       ECLASS 6.0     27660311       ECLASS 7.0     27060311       ECLASS 1.0.1     27060311       ETM 5.0     ECO1885       mastems taiff number     6544200       GTIN     4048979217132       Packaging unft     1       Electrical data [ Suppi     Courses       Operating voltage AC max.     125 V       Operating voltage AC (UL-listed)     30 V       Current operating actoge CUL-listed)     30 V       Current operating voltage AC (UL-listed)     30 V       Steping length (listekt)     30 V       Current operating voltage CUL-listed)     30 V       Steping length (listekt)     30 V       Roperating voltage CUL-listed)	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data       ECLASS 6.0     27279218       ECLASS 6.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27260311       ECLASS 7.0     27060311       ECLASS 7.0     27060311       ECLASS 7.0     27060311       ECLASS 7.0     ECO01855       outstons taff number     8544230       GTIN     404897201712       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     125 V       Operating voltage AC (UL-listed)     30 V       Operating voltage Conecond	Side 2	
ECLASS 4.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27279218       ECLASS 9.0     27090311       ECLASS 7.0     27090311       Echrical data [Suppt     0.0       Operating voltage AC (IL-Listed)     30.V       Current operating and pactor (IL-Listed)     30.V       Mou	Stripping length (jacket)	20 mm
ECLASS-6.1     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27060311       ECLASS-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.0     27060311       ECLASS-1.1     27060311       ECLASS-1.2     27060311       ECLASS-1.1     27060311       Electrical data [Supply     0       Operating voltage AC max.     125 V       Operating voltage AC max.     125 V       Operating voltage AC (UL-Isted)     30 V       Operating voltage DC (UL-Isted)     30 V       Current operating voltage DC (UL-Isted)     30 V       Mounting acth     M12 ×	Commercial data	
ECLASS-7.0     27279218       ECLASS-8.0     27279219       ECLASS-8.0     27260311       ECLASS-8.0     27060311       ECLASS-1.1     27060311       ECLASS-1.2     27060311       ETM-5.0     EC001855       outstoms taiff number     8544290       GTM     4048879217132       Packaging unit     1       Etercical datal Supply     Derating voltage AC max.       Operating voltage DC max.     125 V       Operating voltage DC Max.     125 V       Operating voltage DC Max.     4 A       Installation   Connection     30 V       Current operating per contact max.     4 A       Installation   Connection     20 mm       Mounting set     00 mm       Mounting set     10 the tast       Device protection   Electrus     20 cm	ECLASS-6.0	27279218
ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-9.0.1     27060311       ECLASS-12.0     27060311       Derating voltage AC max.     125 V       Operating voltage DC (UL-Isted)     30 V       Operating voltage DC (UL-Isted)     30 V       Corrent operating protoctact max.     4 A       Installation Connection     20 mm       Mounting set     M12 × 1       Device protection   Electrical     30 V       Additional condit	ECLASS-6.1	27279218
ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001855       customs tariff number     85444290       GTIN     404837217132       Packaging unit     1       Eterctical data   Supply     Devrating voltage AC max.       Operating voltage DC max.     125 V       Operating voltage DC max.     125 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating voltage DC (UL-listed)     30 V       Current operating voltage DC (UL-listed)     30 V       Current operating voltage DC (UL-listed)     20 vm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     1.5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Zinc die-casting       Coating of fitting	ECLASS-7.0	27279218
ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ETIMS-0     EC001855       customs tariff number     85444290       GTIN     4048879217132       Packaging unit     1       Electrical data   Supply	ECLASS-8.0	27279218
ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       existoms taff number     85444290       GTIN     4048879217132       Packaging unit     1       Electrical data   Supply     Operating voltage AC max.       Operating voltage AC max.     125 V       Operating voltage AC max.     125 V       Operating voltage AC max.     125 V       Operating voltage AC (LI-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Stripping length (jacket)       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     15 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Zinc die-casting       Material group of fitting     nickle plated       Locking material     Zinc die-casting       Material group correction     Zinc die-casting <td< td=""><td>ECLASS-9.0</td><td>27060311</td></td<>	ECLASS-9.0	27060311
ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       existoms taff number     85444290       GTIN     4048879217132       Packaging unit     1       Electrical data   Supply     Operating voltage AC max.       Operating voltage AC max.     125 V       Operating voltage AC max.     125 V       Operating voltage AC max.     125 V       Operating voltage AC (LI-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Stripping length (jacket)       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     15 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Zinc die-casting       Material group of fitting     nickle plated       Locking material     Zinc die-casting       Material group correction     Zinc die-casting <td< td=""><td>ECLASS-10.1</td><td>27060311</td></td<>	ECLASS-10.1	27060311
ECLASS-12.0 27060311   ETM-5.0 EC001855   customs tariff number 85444290   GTIN 4048379217132   Packaging unit 1   Electrical data   Supply    Operating voltage AC max. 125 V   Operating voltage AC max. 125 V   Operating voltage AC (UL-listed) 30 V   Operating voltage AC (UL-listed) 30 V   Current operating on contact max. 4 A   Installaton   Connection    Stripping length (tacket) 20 mm   Mounting set M12 x 1   Device protection   Electrical   Additional condition protection degree inserted, screwed   Polution Degree 3   Rated surge voltage 1,5 kV   Material group (IEC 60664-1) 1		
ETIM-5.0 EC001855   customs tariff number 85444290   GTIN 4048879217132   Packaging unit 1   Electrical data   Supply Image: Control of Control	ECLASS-12.0	
customs tariff number   85444290     GTIN   4048879217132     Packaging unit   1     Electrical data   Supply   Operating voltage AC max.   125 V     Operating voltage AC max.   125 V   Operating voltage AC max.   125 V     Operating voltage AC (UL-listed)   30 V   Operating voltage AC (UL-listed)   30 V     Current operating per contact max.   4 A   Installation [Connection   Installation [Connection     Stripping length (jacket)   20 mm   Mounting set   M12 x 1   Device protection [Electrical     Additional condition protection degree   inserted, screwed   Pollution Degree   3     Polution Degree   3   3   Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1   I   Mechanical data   Material data     Coating of fitting   nickel plated   Coating of fitting   Casting     Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Code coating of fitting   nickel plated   Coating of fitting   Code-casting     Material screw connection   Zinc die-casting   Material screw connectio		
Packaging unit   1     Electrical data   Supply     Operating voltage AC max.   125 V     Operating voltage AC max.   125 V     Operating voltage AC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1   I     Mechanical data   Material data   Coating of fitting   nickel plated     Locking material   Zinc die-casting   Material screw connection     Zinc die-casting   Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting   Material screw connection     Environmental characteristics   Climatic   Operating temperature min.   -25 *C     Operating temperature min.   -25 *C   Operating temperature min.   -25 *C		
Packaging unit   1     Electrical data   Supply     Operating voltage AC max.   125 V     Operating voltage AC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   Stripping length (lacket)   20 mm     Mounting set   M12 X 1     Device protection   Electrical   Additional condition protection degree   3     Rated surge voltage   1.5 kV   Material group (IEC 6064-1)   I     Methanical data   Material data   Coating of fitting   nickel plated   Coating of fitting   nickel plated     Locking material   Zinc die-casting   Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting <td>GTIN</td> <td>4048879217132</td>	GTIN	4048879217132
Electrical data   Supply     Operating voltage AC max.   125 V     Operating voltage AC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   Stripping length (jacket)     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   iserted, screwed     Poluci protection geree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     I   Mechanical data   Material data     Coating locking   Nickeled     Coating locking   Nickeled     Coating of fitting   Inckel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protect		
Operating voltage AC max.   125 V     Operating voltage AC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation I Connection   30 V     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Polution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Coesting temperature min. <tr< td=""><td></td><td></td></tr<>		
Operating voltage DC max.   125 V     Operating voltage AC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree   inserted, screwed     Pollution Degree   3   Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1   I     Mechanical data   Material data   Coating of fitting   nickel plated     Coating of fitting   nickel plated   Coating of fitting   Cide-casting     Material screw connection   Zinc die-casting   Mechanical data   Mounting data     Mounting method   inserted, screwed, Shaking protection   Environmental characteristics   Climatic     Operating temperature min.   -25 °C   Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality   Important installation notes		125 V
Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     3       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     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		
Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Polution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Poending on cable quality		
Current operating per contact max.   4 A     Installation   Connection     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data      Coating locking   Nickeled     Coating locking   nickel plated     Locking material   Zinc die-casting     Mechanical data   Mounting data      Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic      Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes		
Installation   Connection     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating set in inserted, screwed, Shaking protection   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °G     Additional condition temperature range   depending on cable quality     Important installation notes   Material screw condex		
Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   inserted, screwed     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   V     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating of fitting     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   V     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes		**
Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     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   Important installation notes		
Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.   -25 °C     Operating temperature max.   85 °C   Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes   Paterial   Paterial		
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data	Mounting set	M12 x 1
Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes	Device protection   Electrical	
Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Abditional condition temperature range   depending on cable quality     Important installation notes   Important installation notes	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes	Pollution Degree	3
Mechanical data   Material data     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   -25 °C	Rated surge voltage	1,5 kV
Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality	Material group (IEC 60664-1)	I
Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes	Mechanical data   Material data	
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     85 °C   Additional condition temperature range     Important installation notes   Important installation notes	Coating locking	Nickeled
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     85 °C   Additional condition temperature range     Important installation notes   Important installation notes	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   Important installation notes	Locking material	Zinc die-casting
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	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes	Mechanical data   Mounting data	
Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes Important installation notes	Environmental characteristics   Climatic	
Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality   Important installation notes		
Important installation notes		
Tropo de antimensión en la processión de la processión de caractera de la processión de caractera de la caractera de car		Protect the connectors by suitable measures from mechanical loads, or a by the usage of cable tice
		י הניסג אוס טטווויטנוסי שי שנוגבאים וויטבשורש וויטוו וויטוומווטמו וטמטס, כ.ע. שי נווב שמעב טו טבשוב וולג.

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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.

	endangered by excessive bending lorces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	235
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	41,8 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,8 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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