

## M12 female 0° A-cod. with cable

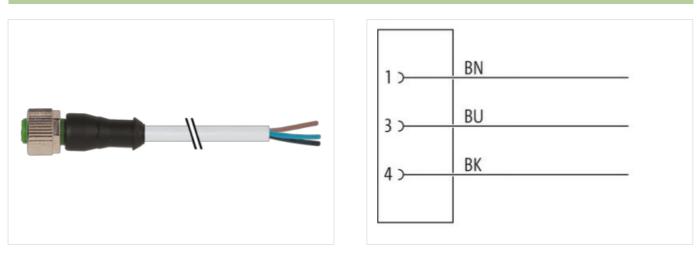
PUR 3x0.34 gy UL/CSA 5m

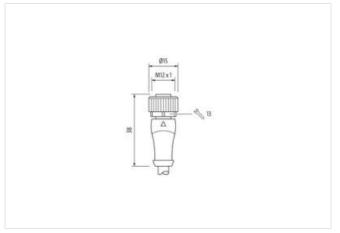
## **▲ NOTICE ▲** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

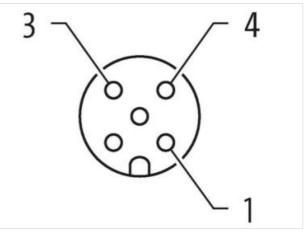
Female straight M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable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

## Link to Product

Illustration







Product may differ from Image



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: 2024-04-18

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de



Family construction formM12ThreadM12 x 1Situble for corrugated tube (internal Ø)10 mmCodingAMaterialPURNo. of poles3With accoss flatsSW13Degree of protection (EN IEC 60529)IP65, IF6K, IP67Side 2Side 2Sing Pong forg fur (icket)20 mmCommercial data27279218ECLASS-6.027279218ECLASS-6.127279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027060311ECLASS-8.027060311ECLASS-8.1127060311ECLASS-8.12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.02706031Quarterial data [Supply30 VQuarterial data [Supply30 VQuarterial data [Supply30 VQuarterial data [Supply30 V<	Cable length	5 m
Mounting method         inserted, sorewed           Family construction form         M12           Final y construction form         M12 / 1           suitable for corrugated tube (internal 6)         10 mm           Goding         A           Material         PUR           No of polas         3           Width across flats         SW13           Degree of protection (EN IC 60520)         IPES, IPEK (IPE7           Step 2         Step 2           Step 2         Step 2           Step 3         20 mm           Commercial data         22729218           ECLASS 6.0         27279218           ECLASS 6.0         27279218           ECLASS 6.0         2729218           ECLASS 7.0         2729218           ECLASS 7.0         27000311           ECLASS 7.0         27000311           ECLASS 7.0         27000311 <t< td=""><td>Side 1</td><td></td></t<>	Side 1	
Mounting method         inserted, sorewed           Family construction form         M12           Final y construction form         M12 / 1           suitable for corrugated tube (internal 6)         10 mm           Goding         A           Material         PUR           No of polas         3           Width across flats         SW13           Degree of protection (EN IC 60520)         IPES, IPEK (IPE7           Step 2         Step 2           Step 2         Step 2           Step 3         20 mm           Commercial data         22729218           ECLASS 6.0         27279218           ECLASS 6.0         27279218           ECLASS 6.0         2729218           ECLASS 7.0         2729218           ECLASS 7.0         27000311           ECLASS 7.0         27000311           ECLASS 7.0         27000311 <t< td=""><td>Tightening torque</td><td>0.6 Nm</td></t<>	Tightening torque	0.6 Nm
Family construction form         M12           Trinead         M12 x 1           Solub for corruption tube (internal X)         10 mm           Solub for corruption tube (internal X)         A           Material         PUR           No. of polos         3           Solution to tube (internal X)         Solution (IN IEC 6050)           Solution (IN IEC 6050)         IPES, IPEK, IPER           Solution (IN IEC 6050)         IPES, IPEK, IPER           Solution (IN IEC 6050)         IPES, IPEK, IPER           Solution (IN IEC 6050)         IPES, IPER, IPER           Solution (IN IEC 6050)         IPER, IPER, IPER, IPER           Commercial dista         IPER,	Mounting method	
Thesi     M12 × 1       suitable for corrugated tube (internal 60)     10 mm       Scaling     A       Material     PUR       No. of poles     3       With across fluts     SW19       Degree of protection (EN IEC 60520)     IP65, IP66X, IP67       Stice 2     Stropping traph: (picket)       Commercial data     ECLASS-6.0       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.1     27279218       ECLASS-6.1     27279218       ECLASS-6.1     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-8.1.1     27060311       ECLASS-7.0     27090311       ECLASS-7.0     2709031       Degree of cottact     250 V       Operating vol		
Coding         A           Material         PUR           No. of poles         3           With across flats         SW13           Degree ar protection (EN IEC 6029)         IP65, IP66K, IP67           Side 2         Stripping length ((acket))           Commercial data         E           ECLASS-8.0         27279218           ECLASS-8.1         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.1         27260311           ECLASS-8.0         277060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-1.0         ECOUNISS           Caulon to thote	Thread	M12 x 1
Material         PUR           No. of poles         3           With across filts         SW13           Degree of protection (EN IEC 60529)         PES, IFB6K, IP67           Side 2         SW13           Singhing fing filt (ackel)         20 mm           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27260311           ECLASS-7.0         27060311           ECLASS-7.0         ECO01855           Coulons tarif number         65444290           GTIN         4048879214063           Perscharg writige AC max.         250 V           Operating voltage AC max.         250 V           Oparating voltage AC (UL-listed)         30 V           Oparating voltage AC (UL-listed)         30 V           Oparating voltage AC (UL-listed)         30 V           Opar	suitable for corrugated tube (internal $\emptyset$ )	10 mm
Na. di poles         3           With acoss flats         SW13           Degree di protection (EN UEC 6052))         IPES, IPESK, IPE7           Side 2         20 mm           Commercial dats         20 mm           Commercial dats         27279218           ECLASS 6.0         27279218           ECLASS 7.0         2729208           ECLASS 7.0         27390311           ECLASS 7.1.1         27090311           ECLASS 7.2.0         2709031           ECLASS 7.2.0         2709031           ECLASS 7.2.0         2709031           ECLASS 7.2.0         2709031           Parkaging unit         1           Electrical data [Supply         20           Oparating voltage AC (max.         250 V           Oparating voltage AC (UL-Isted)         30 V           Oparating voltage AC (UL-Isted)         30 V           Oparating voltage AC (UL-Isted)	Coding	A
With across Ruis         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2         IP65, IP67           Side 2         IP65, IP66K, IP67           Side protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         IP61, IP66K, IP67           Side 2         IP61, IP66K, IP67           Side 2         IP61, IP67, I	Material	PUR
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Commercial (ads           Commercial (ads         27279218           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 7.1         27060311           ECLASS 7.0         27060311           ECLASS 7.0         27060311           ECLASS 7.1         27060311           ECLASS 7.2.0         2706031           Depresing voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operatin	No. of poles	3
Side 2Sirlping length (soker)20 mmCommocial dat27279218ECLASS 6.027279218ECLASS 6.127279218ECLASS 6.027279218ECLASS 6.027279218ECLASS 6.027279218ECLASS 6.027279218ECLASS 5.027279218ECLASS 5.027060311ECLASS 5.1.127060311ECLASS 5.2.027060311ECLASS 5.2.0250 VOperating voltage AC max.250 VOperating voltage AC (LL-Lister)30 VConter (LC-Lister)30 VConter (LC-Lister)30 VAdditional condition (Intercent max.4Additional condition (Intercent max.4	Width across flats	SW13
Stripping length (jackot)         20 mm           Commercial data         27270218           ECLASS 6.0         27270218           ECLASS 5.0         27270218           ECLASS 5.0         27270218           ECLASS 5.0         27270218           ECLASS 5.0         27200311           ECLASS 5.0.1         27060311           ECLASS 5.1.1         27060311           ECLASS 5.1.1         27060311           ECLASS 5.1.1         27060313           ECLASS 5.1.0         27060311           ECLASS 5.2.0         27060313           ECLASS 5.2.0         27060314           Tim S.0         EC001855           customs taff number         8544290           GTIN         4048879214063           Packaging unit         1           Etertical data [ Suppy         250 V           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage per contact max.         4 A	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data           ECLASS 6.0         27278218           ECLASS 7.0         27260311           ECLASS 7.0         27060311           ECLASS 7.1.1         27060311           ECLASS 7.2.0         27060311           COMBIN 000000000000000000000000000000000000	Side 2	
ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO01855           ecusions taff number         65444290           GTIN         404887214063           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installizion   Connection         20 mm           Mounting set         M12 x 1           Device protection   Electrical         25 kV           Addition protection degree         3           Installed surge voltage         2,5 kV           Material group (IEC 60664-1) <td< td=""><td>Stripping length (jacket)</td><td>20 mm</td></td<>	Stripping length (jacket)	20 mm
ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-6.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           Calson Staff number         85444290           GTIN         404887214063           Packaging unit         1           Efectrical data   Supply	Commercial data	
ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-6.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           Calson Staff number         85444290           GTIN         404887214063           Packaging unit         1           Efectrical data   Supply	ECLASS-6.0	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           ECLASS-10.1         27060311           ECLASS-12.0         27060311           EVENT         404879214063           Packaging unit         1           Electrical data   Supply         Compactaging valuage AC max.           Operating valuage AC (LL-listed)         30 V           Current Operating valuage AC (LL-listed)         30 V           Current Operating valuage AC (LL-listed)         30 V           Forbiging length (fackt)         20 mm           Mounting etc.         M12 x 1           Device protection [	ECLASS-6.1	
ECI.ASS-8.0         27279218           ECI.ASS-9.0         27060311           ECI.ASS-10.1         27060311           ECI.ASS-11.1         27060311           ECI.ASS-12.0         27060311           ECI.ASS-13.0         ECO01855           outstoms tariff number         85444290           GTIN         4048879214063           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         250 V           Operating voltage AC (LI.Isted)         30 V           Current operating up er contact max.         4 A           Installetion   Connection            Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection of degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2.5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Coating ocitikg in accesting           Coating ocifiting         nickel plated	ECLASS-7.0	
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879214063           Packaging unit         1           Electrical data  Supply         Deprating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage CC (UL-listed)         30 V           Depreting voltage CC (UL-listed)         30 V           Current operating per contact max.         4 A           Installizion   Connection         Mounting set           Device protection   Electrical         Additional	ECLASS-8.0	27279218
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           oustoms tariff number         85444290           GTIN         4048879214063           Packaging unit         1           Electrical data   Supply         Coperating voltage AC max.           Operating voltage AC max.         250 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         3           Polution Degree         3           Rated surge voltage         2.5 kV           Metarial group (ICC 60664-1)         1           Mechanical data   Material data         Zinc die-casting           Coating locking	ECLASS-9.0	27060311
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048379214063           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (LU-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         4 A           Installation   Connection         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coaling o	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048979214063           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation [Connection         Installation [Connection [Connection]           Mounting set         M12 x 1           Device protection   Electrical         Inserted, screwed           Pollution Degree         3           Rateri surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data	ECLASS-11.1	27060311
customs tariff number     8544290       GTIN     4048879214063       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     250 V       Operating voltage AC max.     250 V       Operating voltage AC (IL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection        Stripping length (jackel)     20 mm       Mounting set     M12 x 1       Device protection   Electrical       Additional condition protection degree     3       Rated surge voltage     2,5 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       Mechanical data   Mounting data     Korewed, Shaking protection       Mounting method     inserted, screwed, Shaking protection	ECLASS-12.0	27060311
GTIN     4048879214063       Packaging unit     1       Electrical data   Supply       Operating voltage AC max.     250 V       Operating voltage AC (ulisted)     30 V       Operating voltage AC (ulisted)     30 V       Operating voltage AC (ulisted)     30 V       Current operating per contact max.     4 A       Installation   Connection     1       Stripping length (lacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical       Additional condition protection degree     3       Plated surge voltage     2,5 kV       Material group (IEC 60664-1)     1       Inscription protection degree     3       Coating of fitting     nickel plated       Locking matrial     Zinc die-casting       Material screw connection     Sinserted, screwed, Shaking protection <td>ETIM-5.0</td> <td>EC001855</td>	ETIM-5.0	EC001855
Packaging unit     1       Electrical data   Supply     250 V       Operating voltage AC max.     250 V       Operating voltage DC max.     250 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     1       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     M12 x 1       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     2,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting       Coating of fitting     nickeled       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     Sin ceted, screwed, Shaking protection       Material material     Mounting data       Mounting method     inserted, screwed, Shaking protection	customs tariff number	85444290
Electrical data   Supply         Operating voltage AC max.       250 V         Operating voltage DC max.       250 V         Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       30 V         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       30 V         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2.5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Iserted, screwed, Shaking protection         Environmental characteristics   Climatic       Iserted, screwed, Shaking protection	GTIN	4048879214063
Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         4 A           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         4           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2.5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Xickeled           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           Material screw connection         Xinc die-casting           Material screw connection         Xinc die-casting           Mounting method         inserted, screwed, Shaking protection	Packaging unit	1
Operating voltage DC max.       250 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       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 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         Material cata   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection	Electrical data   Supply	
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         Inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating of fitting           Coating locking         Nickeled           Coating of fitting         zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         zinc die-casting           Material screw connection         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Elimatic	Operating voltage AC max.	250 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       Inserted, screwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         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         Material screw connection       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Vickeled	Operating voltage DC max.	250 V
Current operating per contact max.       4 A         Installation   Connection	Operating voltage AC (UL-listed)	30 V
Installation   Connection           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         2,5 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           Mounting method         inserted, screwed, Shaking protection	Operating voltage DC (UL-listed)	30 V
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     2,5 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       Mounting method     inserted, screwed, Shaking protection	Current operating per contact max.	4 A
Mounting set       M12 x 1         Device protection   Electrical       Inserted, screwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Image: 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       Image: Coating protection         Mechanical data   Mounting data       Environmental characteristics   Climatic	Installation   Connection	
Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Nickeled         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       Screwed, Shaking protection	Stripping length (jacket)	20 mm
Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 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         Inserted, screwed, Shaking protection       Environmental characteristics   Climatic	Mounting set	M12 x 1
Pollution Degree       3         Rated surge voltage       2,5 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       I         Mounting method       inserted, screwed, Shaking protection	Device protection   Electrical	
Pollution Degree       3         Rated surge voltage       2,5 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       I         Mounting method       inserted, screwed, Shaking protection	Additional condition protection degree	inserted, screwed
Rated surge voltage       2,5 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       I         Mounting method       inserted, screwed, Shaking protection		
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	Rated surge voltage	
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	Material group (IEC 60664-1)	
Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection		
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		Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic		
Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic	Material screw connection	
Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic		
Environmental characteristics   Climatic	· · · · ·	inserted screwed Shaking protection
	-	
Operating temperature min25 °C		
	Operating temperature min.	-25 °C

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Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de



Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Cable	
Cable identification	223
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 g
Material wire	Cu wire, bare
Resistor (core)	max. 57 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Diameter (core)	3× 0.34 mm <sup>2</sup>
AWG	similar to AWG 22
Material wire isolation	PVC
Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	43 ±5 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl
Stranding combination	3 wires twisted
Shield	no
Material jacket	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.3 mm ±5%
Color jacket	gray
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s²

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