

## M12 male 0° A-cod. with cable

PUR 3x0.75 bk UL/CSA+drag 0.6m

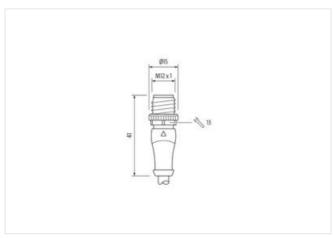
Male straight M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable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

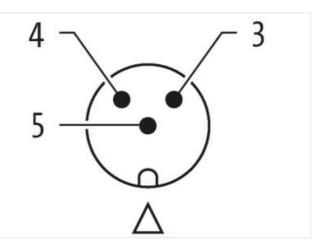
## Link to Product

Illustration









Product may differ from Image



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: 2024-05-19

0,6 m

0,6 Nm

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Family control (MM 2Family control (MM 2Interest or corrupted tube (internal 0)M12 × 1Name for corrupted tube (internal 0)Vian contest fatsSegre of printerion (NI EC 60559)UPS, FReeK, IP67Contest fatsContest fatsECLASS 8.027279218ECLASS 9.0 <th>Mounting method</th> <th>inserted, screwed</th>	Mounting method	inserted, screwed
Buildbic for corrugated tube (internal 6)10 mmCodingACodingAMuthal accoss flatsSW13Opprogre of potektion (FUE C 6056)IPSR / IPSRCommercial data27278/18ECLASS 6.027278/18ECLASS 6.127278/18ECLASS 6.027278/18ECLASS 6.027278/18ECLASS 6.127269/18ECLASS 6.127060311ECLASS 6.127060311ECLASS 7.127060311ECLASS 7.2270718ECLASS 7.2270718ECLASS 7.2270719ECLASS 7.22707219ECLASS 7.2270717ECLASS 7.2270717ECLASS 7.2270717ECLASS 7.2270717ECLASS 7.2270717ECLASS 7.2270717ECLASS 7.2270717ECLASS 7.2270717 <td></td> <td></td>		
Coding     A       Material     PUR       Material     PUR       With across flats     SW13       Degree of protection (EN EC 0059)     UPS, IP66K, IP67       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-10.1     27660311       ECLASS-10.2     27060311       ECLASS-10.3     27060311       ECLASS-10.4     27060311       ECLASS-10.4     27060311       ECLASS-10.5     ECO01805       Operating voltage AC max.     125 V       Operating voltage Cortax     4 A       Instatiator Comercion     <		
Valencial     PUF       Width across flats     SW13       Width across flats     SW13       Pagre of protection (EN IEC 05524)     IPPS, IPP6K, IP67       Commercial data     27279218       SCLASS-6.0     27279218       SCLASS-7.0     27279218       SCLASS-7.0     27279218       SCLASS-8.0     27279218       SCLASS-8.0     27279218       SCLASS-7.0     2779218       SCLASS-8.0     27279218       SCLASS-8.0     27279218       SCLASS-8.0     27090311       SCLASS-10.1     27060311       SCLASS-12.0     2060311       SCLASS-12.0     1000155       Spatian voltage ACI Mark     125 V       Sparating voltage ACI (U-Listed)     30 V		
Wath across flats     SW13       Pagere or protection [EN ICE 06220]     IPES, IPE6R, IPE7       Commercial data     27278218       CGLASS 4.0     27260311       CGLASS 4.0     27600311       CGLASS 4.0     406000012679       Packaging unit     1       Electrical data [Suppi)     30       Operating voltage DC max.     125 V       Operating voltage CD max.     125 V       Operating voltage DC max.     125 V       Operating voltage CD CLL-listed)	-	
Degree of protection (EN IEC 60529)     IP65, IP68K, IP67       Commercial data     Very 2019       ECLASS 6.0     27278218       ECLASS 6.0     272600311       ECLASS 6.1     27060311       ECLASS 6.1     2706031       Protection (EN IEC 60529)     27000000000000000000000000000000000000		
Commercial data     Security       ECA.SSS 6.0     27279218       ECA.SSS 7.0     27279218       ECA.SSS 7.0     27279218       ECA.SSS 6.0     277278218       ECA.SSS 6.0     277278218       ECA.SSS 6.0     27060311       ECA.SSS 7.0     2506031       ECA.SSS 7.0     2506031       ECA.SSS 7.0     2506031       ECA.SSS 7.0     250703       ECA.SSS 7.0     250703       ECA.SSS 7.0     30 V       Deparating voltage AC. (UL-lis		
ECLASS 6.0     27279219       ECLASS 6.1     27279219       ECLASS 6.0     27279218       ECLASS 6.0     27279218       ECLASS 6.0     27060311       ECLASS 7.0     27060311       ECLASS 7.0.1     250400       Parkaging unit     1       ECHAST 7.0.1     405509102979       Parkaging unit     1       ECHAST 7.0.1     25 V       Operating voltage AC (ILL-IIIII)     30 V       Parkaging unitage AC (ILL-IIIIII)     30 V       Deparating voltage AC (ILL-IIIIIII)     30 V       Parkaging unitage AC (ILL-IIIIIIII)     30 V       Externation (Externation (Exte	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS 6.1     27279218       CCLASS 7.0     27279219       CCLASS 7.0     27279219       CCLASS 7.0     27279219       CCLASS 7.0     27090311       CCLASS 7.0     2706031       CCLASS 7.0     2606102870       CCLASS 7.0     27070031       CCLASS 7.0     27070031       CLASS 7.0     250       Dystaling voltag 0.0 CM     250       Dystaling voltag 0.0 CM     250       Dystaling voltag 0.0 CL(L-listed)     30 V       Dystaling voltag 0.0 CL(L-listed)     30 V       Dystaling voltag 0.0 CL(L-listed)     30 V       Dystaling voltag 0.0 CL(L-listed)     31 V       Staling 0.0 CL(L-listed)     30 V </td <td>Commercial data</td> <td></td>	Commercial data	
ECLASS 7.0     27279218       ECLASS 8.0     27279218       ECLASS 8.0     27060311       ECLASS 5.10.1     27060311       ECLASS 1.1     27060311       ECLASS 1.2     27060311       ECLASS 1.2     27060311       ECLASS 1.2.0     27060311       ECLASS 1.2.0     27060311       Statistic eclass 1.2.0     27060311       ECLASS 1.2.0     27060311       Statistic eclass 1.2.0     2707010       Statistic eclass 1.2.0     2707010       Statistic eclass 1.2.0     2707010       Statistic eclass 1.2.0     30 V       Statistic eclass 1.0.0     30 V       Statistic eclass 1.0.0     30 V       Statistic eclass 1.0.0     10 V       Statistic eclass 1.0.0	ECLASS-6.0	27279218
ECLASS 8.0     27279218       ECLASS 8.0     27060311       ECLASS 9.0     27060311       ECLASS 1.1     27060311       ECLASS 1.2.0     27060311       ELEASS 1.2.0     2706031       Status 1.2.0     2706031       ELEASS 1.2.0     3       Tarent operating ontege 0.5     3       Adel Surge voltage     1.5 kV       Material group (EC 60664-1)     1       Mechanical data [Material data     2.5 kV       Coating on ittelead     2.5 kV	ECLASS-6.1	27279218
ECLASS 9.0     27080311       ECLASS 1.0.1     27080311       ECLASS 1.1.1     27080311       ECLASS 1.1.2     27080311       ECLASS 1.2.0     27080311       ECLASS 1.1.1     27080311       ECLASS 1.2.0     27080311       ECLASS 1.2.0     EC001855       Sustoms tarff number     B544290       STN     405509102879       Packaging unit     1       Effectical dial [Supply     Effectical dial [Supply]       Deparating voltage AC max.     125 V       Deparating voltage AC (LL-listed)     30 V       Darrent operating per contact max.     4 A       Installation [Connection     Matchan (Connection)       Volunting ed     M12 x 1       Device protection [Electrical     Stand (Connection)       Voluting work (IEC 60664 1)     1       Mechanical dial [Matchai data     Zance dopara       Zanting drifting     nickeled       Casting of fiting	ECLASS-7.0	27279218
ECLASS 10.1     27060311       ECLASS 12.0     27060311       ECLASS 12.0     27060311       ETIM 5.0     EC001855       ETIM 5.0     EC001855       Stadging unit     1       Packaging unit     1       Etertical data [Suppy     Etertical data [Suppy       Deparating voltage AC max.     125 V       Opperating voltage AC max.     125 V       Opperating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       State surge voltage     1.5 kV       Mouting ast     M12 x 1       Device protection [Electrical     30       Polutic Notific data [Material data     Stor       Coating out fitting     nickelolated       Operating to	ECLASS-8.0	27279218
ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     EC001655       sustoms tariff number     85444290       STIN     4065909102879       Packaging unit     1       Effectical dia   Supply     Effectical dia   Supply       Oparating voltage AC max.     125 V       Oparating voltage DC max.     125 V       Oparating voltage DC max.     125 V       Oparating voltage DC (UL-listad)     30 V       Surrent Oparating voltage DC (UL-listad)     30 V       Surrent Oparating voltage AC (UL-listad)     30 V       Barled surge voltage     1.5 K       Mounting set     M12 x 1       Device protection   Electrical     Indexterion (Contection   Electrical dia   Mounting dia pate/dia contection   Electrical dia   Mounting dia pate/dia contection   Electrical dia   Mounting dia	ECLASS-9.0	27060311
ECLASS-12.0     27060311       ETIM-5.0     EC001855       ETIM-5.0     EC001855       Sations laft number     8544290       STIN     4065909102879       Packaging unit     1       Electrical data [Supply     Deparating voltage AC max.       Operating voltage AC max.     125 V       Operating voltage AC max.     125 V       Operating voltage AC max.     125 V       Operating voltage AC (LL-Isted)     30 V       Porter protection [Electrical     M12 x 1       Device protection [Electrical     M12 x 1       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data [Material data     Unce operating voltage AC indice plated       Casting of fitting     nickel plated       Casting of fitting     nickel plated       Casting of fitting     incerted, strewed, Shaking protection       Environmetal characteristics [ Climatic </td <td>ECLASS-10.1</td> <td>27060311</td>	ECLASS-10.1	27060311
ETIM-5.0     EC001855       sustoms fauff number     85444290       STIN     4065909102879       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     125 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation I Connection        Mounting set     M12 x 1       Device protection   Electrical        Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data        Coating of fitting     Nickeled       Coating of fitting     Nickeled       Coating of fitting     Nickel plated       Coating of fitting     Inserted, screwed, Shaking protection       Environmetal characteristics   Climatic     So       Operating temperature max.     45 °C       Operat	ECLASS-11.1	27060311
bustoms tariff number     85444290       STIN     4065009102879       Packaging unit     1       Electrical data   Supphy     Image: Comparison of the supphy supphy of the s	ECLASS-12.0	27060311
CTIN 4065809102879   Packaging unit 1   Electrical data   Supply 125 V   Operating voltage AC max. 125 V   Operating voltage AC max. 125 V   Operating voltage AC (UL-listed) 30 V   Operating voltage C (UL-listed) 30 V   Current operating per contact max. 4 A   Installation   Connection M12 x 1   Povice protection   Electrical Povice protection   Electrical   Pollution Degree 3   Raded surge voltage 1,5 kV   Material group (EC 60664-1) 1   Material group (EC 60664-1) 2   Material group (EC 60664-1) 2   Material group (EC 60664-1) 2   Material group	ETIM-5.0	EC001855
Packaging unit   1     Electrical data   Supply     Operating voltage AC max.   125 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Durent operating portage AC (UL-listed)   30 V     Current operating portage AC (UL-listed)   30 V     Durent operating portage AC (UL-listed)   Mutrial Science AC	customs tariff number	85444290
Electrical data   Supply       Dperating voltage AC max.     125 V       Dperating voltage DC max.     125 V       Dperating voltage DC (UL-listed)     30 V       Dperating voltage DC (UL-listed)     30 V       Dperating voltage DC (UL-listed)     30 V       Devicer protection protect max.     4 A       Installation   Connection     M12 x 1       Device protection   Electrical     V       Pollution Degree     3       Raded surge voltage     1.5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     V       Doting of fitting     Nickeled       Coating of fitting     nickel plated       Coating of listing     Nickeled       Coating of listing     inserted, screwed, Shaking protection       Muthing method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     S5 °C       Operating relignerature min.     -25 °C       Operating relignerature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     S1 °C	GTIN	4065909102879
Operating voltage AC max.     125 V       Operating voltage DC max.     126 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Dereting voltage DC (UL-listed)     30 V       Installation   Connection     4 A       Installation   Connection     4 A       Device protection   Electrical     Pollution Degree       Pollution Degree     3       Taked Surge Voltage     1.5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Incele-casting       Coating locking     Nickeled       Coating of fitting     nickel plated       Coating of fitting     nickel casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Deparating imperature min.       Deparating imperature min.     -25 °C       Operating imperature min.     -25 °C       Operating imperature min.     -25 °C       Operating imperature min.	Packaging unit	1
Derating 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 Installation   Connection   Mounting set M12 x 1   Device protection   Electrical Pollution Degree   Polution Degree 3   Rated surge voltage 1,5 kV   Material group (IEC 60664-1) i   Mechanical data   Material data Coating locking   Coating locking in inckel plated Coating locking   Coating of fitting nickel plated   Coating of fitting nickel plated   Coating of fitting nickel plated   Coating of fitting inserted, screwed, Shaking protection   Mechanical data   Mounting data User exerting   Mounting method inserted, screwed, Shaking protection   Environmental characteristics   Climatic Coating on cable quality   Important installation notes 45 °C   Additional condition temperature max. 85 °C   Vaterial condition temperature range depending on cable quality   Important installation notes Volue on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   A	Electrical data   Supply	
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Durrent operating per contact max.     4 A       Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Image: Contact max.       Zoating of fitting     nickel plated       Coating of fitting     Nickeled       Coating of fitting     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Image: Commental characteristics   Climatic       Operating temperature max.     85 °C       Addition condition temperature max.     85 °C       Addition condition temperature max.     85 °C       Vote on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Vote on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Protect strandard		
Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Image: Section   Se		
Mounting set     M12 x 1       Device protection   Electrical		
Procession     Electrical       Pollution Degree     3       Pated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     I       Coating locking     Nickeled       Coating of fitting     nickel plated       Coating of fitting     Nickeled       Coating of fitting     nickel plated       Acterial screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Diperating temperature min.       -25 °C     O       Opperating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by ex		M12 x 1
Pollution Degree     3       Pated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Nickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Coating screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating on cable quality       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Conformity       Product standard     DIN EN 61076-2-101 (M12)     DIN EN 61076-2-101 (M12)	-	
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     Coating naterial   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   Image: Comparity of the protection     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Vote on strain relief     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.     Conformity   Product standard     Product standard   DIN EN 61076-2-101 (M12)	•	
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 material     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     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Nate on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Conformity   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Product standard   DIN EN 61076-2-101 (M12)	-	
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     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     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		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     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating temperature min.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       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.       Conformity     DIN EN 61076-2-101 (M12)		
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   Comperating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Conformity   DIN EN 61076-2-101 (M12)	Mechanical data   Material data	
cocking 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   C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Vote on strain relief     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Conformity   Product standard	Coating locking	Nickeled
Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Dimension     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Conformity   DIN EN 61076-2-101 (M12)	Coating of fitting	nickel plated
Mechanical data   Mounting data     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   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Conformity   Product standard   DIN EN 61076-2-101 (M12)	_ocking 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   depending on cable quality     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Product standard   DIN EN 61076-2-101 (M12)	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     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Conformity   Product standard	Mechanical data   Mounting data	
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     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Conformity   DIN EN 61076-2-101 (M12)	Mounting method	inserted, screwed. Shaking protection
Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Conformity   Product standard	-	
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Conformity Product standard DIN EN 61076-2-101 (M12)	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-101 (M12)	Note on bending radius	
	Conformity	
	Product standard	DIN EN 61076-2-101 (M12)
	Installation   Cable	

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Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Cable identification	636
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	56,1 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)	5,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,85 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
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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