

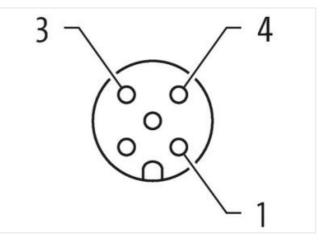
## Y-Distributor M12 male / M12 female 90° A-cod.

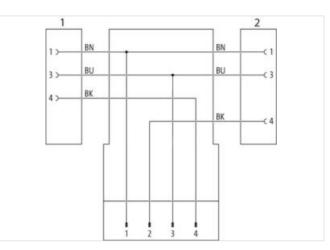
PUR 3x0.34 bk UL/CSA+drag ch. 0.5m

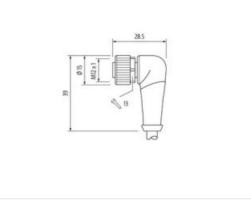
Y-connector M12 – M12, 4/3-pole Male straight – females 90° A-coded Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product







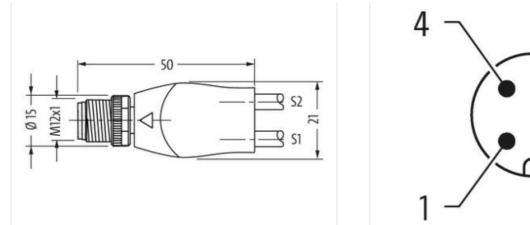


The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20

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3



Product may differ from Image



Cable length	0,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	Α
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Fightening torque	0,6 Nm
Nounting method	inserted, screwed
Coating contact	gold plated
amily construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 3	
Mounting method	inserted, screwed
Family construction form	M12
Coding	A
No. of poles	3
Commercial data	

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ECLASS 6.1     27278218       ECLASS 7.0     27278218       ECLASS 8.0     27050313       ECLASS 8.0.     27050313       ECLASS 8.1.1     27050313       ECLASS 9.1.1     27050313       ECLASS 9.1.1     27050313       ECLASS 9.1.2     27050313       ECLASS 9.1.2     27050313       Packaging unit     1       Electrical dias (Supp)     C       Operating voltage AC max.     250 V       Operating voltage AC max.     250 V       Operating voltage AC (LL-tead)     30 V       Commet operating voltage AC (LL-tead)     30 V       Electrical dias (VL-tead)     30 V       Commet operating voltage AC (LL-tead)     30 V       Electrica	ECLASS-6.0	27279218
ECLASS 9.0     2729216       ECLASS 9.0     27060313       ECLASS 9.0     27060313       ECLASS 1.1     27060313       ECLASS 1.1     27060313       ECLASS 1.1     27060313       ECLASS 1.1     27060313       ETM 5.0     ECO01055       casters taff number     8544200       GTM     4065000067833       Packajng unit     1       Electrical and Supply     Coverating voltage AC max.       Operating voltage AC max.     250 V       Coverating voltage AC max.     250 V       Coverating voltage AC (UL 16800)     30 V       Coverating voltage Coverating AC (UL 16800)     30 V       Material acoveration Fleetcrical     Material acoverating voltage       Fola	ECLASS-6.1	27279218
EDLASS 9.0     27900313       EGLASS 9.0.1     27000313       EGLASS 9.1.0     27000313       EGLASS 9.2.0     27000313       EGLASS 9.0     260001856       orations tanff umber     85444200       GTM     4065500067833       Packajng unit     1       Electrical data [Supply	ECLASS-7.0	27279218
ECLASS 10.1     27090313       ECLASS 12.0     27090313       ETM 5.0     EC001855       Cashing LaCK     406900067283       Packaging unit     1       Electrical dista [Sopphy     Construction Lack Information       Operating voltage AC max.     250 V       Operating voltage AC (UL Islad)     30 V       Current operating per contact max.     4 A       Diagnostis     Status indication LED       Batilation (Concion     M2 x 1       Davier operating per contact max.     3 A       Additional condition protection diagnose     2 Si VV       Material scope voltage     2 Si VV	ECLASS-8.0	27279218
ECLASS-11.1     27060313       ECLASS-12.0     27060313       ECLASS-12.0     27060313       ETMA 5.0     ECO001865       castons staff number     8544290       GTM     405595067833       Packaging unit     1       Electrical data [Suppiy     V       Operating voltage AC max.     250 V       Operating voltage OC max.     250 V       Operating voltage OC UL-listed     30 V       Carrent operating voltage OC UL-listed     10 V       Elus indication LED     no       Istasificial Connection     Morting set       Mounting set     M12 x 1       Device protection leterical     3       Rated surge voltage     2.5 k/V       Material gradity     K/S edw       Material gradity     K/S edw       Carting choing     Nickeled       Coating of fitting     nickel protection       Material gradity     F/M	ECLASS-9.0	27060313
ECLASS-12.0     27660313       ETM 4.0     ECO01865       castoms tarf number     8544290       GTM     405509067833       Packaging unit     1       Electrical data   Supply     Control       Operating voltage AC max.     250 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Corrent operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Corrent operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Mouning set     M12 X 1       Device protection   Electrical     Addition   Connection       Madienal condition protection degree     inserted, screwed       Polution Degree     3       Rated auge voltage     2.5 KV       Machinal data   Mouning data     FKM       Machinal data   Mouning data	ECLASS-10.1	27060313
ETM-5.0     EC001855       customs tarff number     B5444280       GTIN     405659067833       Packaging unit     1       Eterctical data   Supply     Coperating voltage AC max.       Operating voltage AC max.     250 V       Operating voltage AC max.     4 A       Diagnostics	ECLASS-11.1	27060313
austams tariff number     65444200       GTN     406505906/7833       Packaging unit     1       Electrical data   Supply        Operating voltage DC max.     250 V       Operating voltage DC max.     250 V       Operating voltage DC max.     250 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics        Status indication LED     no       Installation Consontion        Mounting set     M12 x 1       Device protection   Electrical        Additional condition protection degree     3       Rated surge voltage     2,5 kV       Material topa (Ecotocia +)     1       Material goal (Ecotocia +)     1       Material (Ecotocia +)     1	ECLASS-12.0	27060313
GTIN 406590907833   Packagin unit 1   Electrical data   Supply Contains voltage AG max.   Operating voltage DG max. 250 V   Operating voltage DG (UL-listed) 30 V   Current operating per context max. 4 A   Diagnostics Status indication LED no   Installation   Connection mo   Mouting set M12 x 1   Device protection lElectrical   Device protection flectrical   Packaging 2.5 kV   Material group (EC 60664-1) 1   Material group (EC 60664-1) 1   Material group (EC 60664-1) 1   Mechanical data   Material data Vockled   Coating foitrig nickleid   Coating foitrig nickleid   Coating foitrig nickleid plated   Material group (EC 60664-1) Inserted, screwed, Shaking protection   Material group (EC 60664-1) Inserted, screwed, Shaking protection   Coating foitrig nickleid data   Coating foitrig nickleid data   Coating foitrig inserted, screwed, Shaking protection   Material gasket <	ETIM-5.0	EC001855
Packaging unit 1   Electrical data [ Supply   Operating voltage AC max. 250 V   Operating voltage DC max. 250 V   Operating voltage DC max. 250 V   Operating voltage DC max. 30 V   Coperating voltage AC (UL-listed) 30 V   Corrent operating per contact max. 4 A   Diagnostics 5   Status indication LED no   Installation   Connection Mounting set   Mutting set M12 x 1   Device protection   Electrical Additional condition protection degree   Additional condition protection degree inserted, streaved   Pollution Degree 3   Rated surge voltage 2.5 kV   Material group (EC 66664-1) 1   Material streaw connection Zinc die-casting   Material streaw connection Zinc die-casting   Material streaw connection Zinc die-casting   Material streaw connection Zinc	customs tariff number	85444290
Electrical data   Supply     Coperating voltage AC max.     250 V       Operating voltage AC (UL-listed)     30 V     Coperating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V     Common Voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V     Common Voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A     Common Voltage AC (UL-listed)     Common Voltage AC (UL-listed)       Diagnostic     Voltage AC (UL-listed)     no     Installation IC Common Voltage AC (UL-listed)       Mounting set     M12 x 1     Device protection I Electrical     Additional condition protection degree     insarted, screwed       Pollution Degree     3     Common Voltage AC (UL-listed)     Additional condition protection degree     isserted, screwed       Pollution Degree     3     Common Voltage AC (UL-listed)     Addition Common Voltage     Addition Common Voltage AC (UL-listed)       Coating locking protection     Isserted, screwed     Pollution Degree     Addition Common Voltage AC (UL-listed)     Addition Common Voltage	GTIN	4065909067833
Operating voltage AC max.     250 V       Operating voltage DC max.     250 V       Operating voltage AC (LL-listed)     30 V       Operating voltage AC (LL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     Image: Contact max.       Status indication LED     no       Installation   Connection     Image: Contact max.       Additional conting per contact max.     M12 x 1       Device protection   Electrical     Additional conting in per contact max.       Additional conting protection degree     imserted, screwed       Polition Degree     3       Rated surge voltage     2,5 kV       Material group (LE 65664-1)     1       Mechanical data   Material data     Contage of titing       Coating of titing     nickel jetated       Material gasket     FKM       Locking material     Zinc die-casting       Material data   Mouring data     inserted, screwed, Shaking protection       Environmental characteristics   Climatio     Comparing temperature max.       Operating temperature max.     85 °C       Operating temperature max.     85 °C	Packaging unit	1
Operating voltage DC max.     250 V       Operating voltage AC (UL listed)     30 V       Current operating par contact max.     4 A       Disposities     Status indication LED     no       Installation   Connection     Mounting set     M12 x 1       Device protection   Electrical     Addition protection degree     3       Additional condition protection degree     1.5 kV     Mounting set       Rated surge voltage     2.5 kV     Material group (IEC 60664-1)       Additional condition protection degree     3     Retard surge voltage       Coating locking     Nickeled     Coating locking       Coating locking     Nickeled     Coating locking       Material gasket     FKM     Material gasket       Locking material     Zinc die-casting     Material serve connection       Material gasket     FKM     Coating locking     Material serve connection       Environmental characteristics   Climatic     Operating remperature max.     85 °C       Operating remperature max.     85 °C     Addition nemerature may     45 °C       Operating remperature max.     85 °C     Addition remperature max.     85	Electrical data   Supply	
Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     Status indication LED       Status indication LED     no       Installation [Connection     Mounting set       Device protection [Electrica]     Additorial condition protection degree       Additorial condition protection degree     instanted, screwed       Pollution Degree     3       Rated surge voltage     2.5 kV       Material group (IEC 60684-1)     1       Mechanical data [ Material data     Coating of Mingon nickel plated       Coating of Mingon nickel plated     Sincelecasting       Material gasket     FKM       Locking material     Zinc die-casting       Material gasket     FCM       Coparating temperature max.     85 °C       Operating temperature max.     85 °C       Addition temperature max.     85 °C <td>Operating voltage AC max.</td> <td>250 V</td>	Operating voltage AC max.	250 V
Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Diagnostics     Image: Contact max.     4 A       Diagnostics     Image: Contact max.     4 A       Diagnostics     Image: Contact max.     4 A       Status indication LED     no     Image: Contact max.     1       Installation   Connection     Image: Contact max.     1     1       Device protection   Electrical     Additional condition protection degree     3     3       Rated surge voltage     2.5 kV     Material group. (IEC 60664-1)     1       Mechanical data   Material data     Coding locking     Nickeled     Coating locking     Nickeled       Coating locking     Nickeled     Coating of filing     Nickel ded     Coating locking     Material gasket     FKM       Locking material     Zinc die-casting     Material serew connection     Zinc die-casting     Coating locking		250 V
Current operating per contact max. 4 A   Diagnostics Status indication LED no   Installation   Connection Mounting set M12 x 1   Device protection   Electrical Additional condition protection degree insarted, screwed   Additional condition protection degree 3 Reade surge voltage   Patter surge voltage 2,5 kV   Material gracu (IEC 60664-1) 1   Mechanical data   Material data Coating of fitting   Coating of fitting nickel plated   Material gracek FKM   Locking material Zinc die-casting   Material agracek FKM   Locking material Zinc die-casting   Munting method inserted, screwed, Shaking protection   Environmental characteristics   Climatic Coating of fitting   Ciparating temperature min. 25 °C   Operating temperature min. 25 °C	Operating voltage AC (UL-listed)	30 V
Diagnostics       Status indication LED     no       Installation I Connection     Installation I Connection       Mounting set     M12 x 1       Device protection I Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     2,5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Inserted, screwed       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material gasket     FKM       Locking material     Zinc die-casting       Material gasket     FKM       Locking material     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmethal characteristics   Climatic     Coating long neated gas diagong on cable quality       Operating temperature min.     -25 °C       Operating temperature mas.     85 °C       Additional condition temperature range     degree missible bending radii when laying cab	Operating voltage DC (UL-listed)	30 V
Status indication LED no   Installation   Connection   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 6068-11) 1   Mechanical data   Material data Coating locking   Coating locking Nickeled   Coating locking Nickeled   Coating group (IEC 6068-11) I   Meterial gasket FKM   Locking material Zinc die-casting   Material gasket FKM   Locking material Zinc die-casting   Meterial gasket FKM   Methaling method inserted, screwed, Shaking protection   Environmental characteristics   Climatic Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-C	Current operating per contact max.	4 A
Status indication LED no   Installation   Connection   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 6068-11) 1   Mechanical data   Material data Coating locking   Coating locking Nickeled   Coating locking Nickeled   Coating group (IEC 6068-11) I   Meterial gasket FKM   Locking material Zinc die-casting   Material gasket FKM   Locking material Zinc die-casting   Meterial gasket FKM   Methaling method inserted, screwed, Shaking protection   Environmental characteristics   Climatic Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-C	Diagnostics	
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 (EC 60664-1) 1   Mechanical data   Material data Coating locking   Coating locking Nickeled   Coating of fitting nickel plated   Material group (EC 60664-1) Zinc die-casting   Material gasket FKM   Locking material Zinc die-casting   Material gasket FKM   Locking method inserted, screwed, Shaking protection   Methal screw connection Zinc die-casting   Mechanical data   Mounting data Mounting method   Goerating temperature min. -25 °C   Operating temperature min. -25 °C   Operating temperature range depending on cable quality   Important installation notes Mouten contextors 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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Note on strain relief DIN EN 61076-2-101 (M12)		no
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 locking     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       AB 5 °C     Additional condition temperature may.       Note on strain relief     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.       Contormity <td>Installation   Connection</td> <td></td>	Installation   Connection	
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   Coating locking     Coating locking   Nickeled     Coating locking   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material gasket   FKM     Locking material   Zinc die-casting     Mechanical data   Mounting data   Mounting material     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     AB5 °C   Additional condition temperature range     Note on strain relief   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 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 prot	Mounting set	M12 x 1
Pollution Degree   3     Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating of Miting     Coating of fitting   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material gasket   FKM     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 max.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces.     Conformity   Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification   633     Cable identification   633   Gasla     Cable identification   633   Gasla     Cable Color   black   Hitin endition	Device protection   Electrical	
Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating of IcK 00664-1)     Coating of fitting   Nickeled     Coating of fitting   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material gasket   FKM     Material gasket   Inc.     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.   85 °C   Additional condition temperature range   depending on cable quality     Important installation notes   Materio: 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)   Installation [Cable     Cable identification   633   Cable identification   633     Cable identification   633   Cable identification   633     Cable identification   633   Cable ident	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)   1     Mechanical data   Material data     Coating locking   Nickeled     Coating of fitting   nickel plated     Material gasket   FKM     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.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note 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 radii 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)     Installation   Cable   633     Cable identification   633     Cable identification   633     Cable identification   633     Cable IColor   black	Pollution Degree	3
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Incerted, 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     Note 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 radii 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)       Installation   Cable     Cable identification       Cable identification     633       Cable IColor     black	Rated surge voltage	2,5 kV
Coating locking   Nickeled     Coating of fitting   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting data     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Abs °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.     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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification     Gable identification   633     Cable identification   633     Cable identification   633     Cable Color   black	Material group (IEC 60664-1)	
Coating of fitting   nickel plated     Material gasket   FKM     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.     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     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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification     Cable identification   633     Cable Color   black     alcuber   alcuber	Mechanical data   Material data	
Material gasket     FKM       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.       Additional condition temperature range     depending on cable quality       Important installation notes     Mote 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 radii 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)       Installation   Cable     Cable identification       Cable identification     633       Cable Type     3       Jacket Color     black	Coating locking	Nickeled
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.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note 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 radii 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)     Installation   Cable   Gable identification     Cable identification   633     Cable identification   633     Cable Color   black	Coating of fitting	nickel plated
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   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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification     Cable identification   633     Cable Color   black     Uppen   3     Jacket Color   black	Material gasket	FKM
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   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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification     Cable identification   633     Cable IType   3     Jacket Color   black	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   Mounting method     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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification     Cable identification   633     Cable IType   3     Jacket Color   black	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   monostrain 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 radii 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)     Installation   Cable   Cable identification     Cable identification   633     Cable Type   3     Jacket Color   black	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     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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification     Cable Type   3     Jacket Color   black	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     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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable identification     Cable Type   3     Jacket Color   black	Environmental characteristics   Climatic	
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     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   633     Cable identification   633     Cable Type   3     Jacket Color   black	Operating temperature min.	-25 °C
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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)     Installation   Cable   Cable identification   633     Cable Type   3   3     Jacket Color   black   attention	Additional condition temperature range	depending on cable quality
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)     Installation   Cable   633     Cable Identification   633     Cable Type   3     Jacket Color   black	Important installation notes	
Note on behaving radius endangered by excessive bending forces.   Conformity   Product standard DIN EN 61076-2-101 (M12)   Installation   Cable   Cable identification 633   Cable Type 3   Jacket Color black	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)   Installation   Cable Cable identification   Cable identification 633   Cable Type 3   Jacket Color black	Note on bending radius	
Installation   Cable   Cable identification 633   Cable Type 3   Jacket Color black	Conformity	
Cable identification 633   Cable Type 3   Jacket Color black	Product standard	DIN EN 61076-2-101 (M12)
Cable Type 3   Jacket Color black	Installation   Cable	
Jacket Color black	Cable identification	633
al IDua	Cable Type	3
Type of Certificate cURus	Jacket Color	black
	Type of Certificate	cURus

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Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,7 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)	4,1 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
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
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	6 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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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