

## M12 male on top A-cod. / MSUD double valve B-10mm

PVC 3x0.75 gy 0m

Form B (10 mm) – M12, connector top entry 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 150 mm

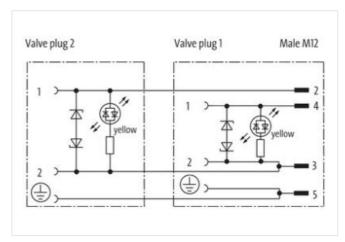
Plastic housings with good resistance against chemicals and oils.

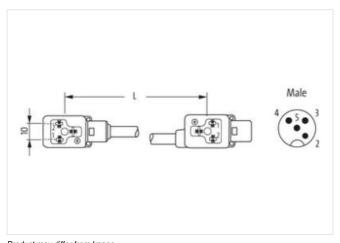
The resistance to aggressive media should be individually tested for your application. Further details on request.

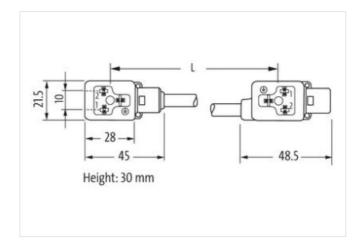
## **Link to Product**

## Illustration









Product may differ from Image



Side 1		
Tightening torque	0,4 Nm	
Thread	M3	
Side 2		



stay connected

Tread         KO           Commercial data         27061801           Coultons Leaff number         67444290           CRIANS 6.0         405890907803           Call Collina         405890907803           Packaging unit         1           Electrical data         Electrical data           Electrical data (Supply)         V           Operating voltage AC max.         28.3 V           Operating voltage AC max.         30.0 V           Current operating DC max.         4.0 A           Current operating DC max.         4.0 A           Current operating DC max.         1.0 Max.           Degree of protection (ES ECS SSSS)         Max.           Degree of protection (ES ECS SSSSS)         PER           Degree of protection (ES ECS SSSSS)         PERS           Additional condition protection degree         Insert Accessed           Mochanical Material Service         Personal Collegation (ES ECS	Tightening torque	0,4 Nm
ECLASS 6.0         27061801           Customs and finamene         85444290           GTIN         406590907653           Packaging unit         I           Electrical data         U           Electrical data         20 ms           Electrical data   Supply         V           Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.8 V           Operating voltage DC min.         19 V           Operating voltage DC max.         30 V           Cut of peak voltage DC max.         30 V           Cut of peak voltage per consact max.         4 A           Cutrent consumption max.         12 mA           Degree of protection [Electrical         10 ms           Mechanical data   Material data         10 ms           Mechanical data   Muturing data         10 ms           Mechanical data   Muturing data         25 °C           Operating temperature min.         25 °C <t< td=""><td>Thread</td><td>M3</td></t<>	Thread	M3
customs sariff number         85444200           GTIN         4065900937693           Packaging unit         1           Electrical data	Commercial data	
CTIN         4055900907663           Packaging unit         1           Electrical data         Electrical data           Capacity CX         20 ms           Electrical data Supply         Department of the process of the pr	ECLASS-6.0	27061801
Packaging unit         1           Electrical data           Cappably CX         20 ms           Electrical data   Supply         Vermaining voltage AC         24 V           Operating voltage AC min.         19,2 V           Operating voltage AC max.         28,8 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Curied peak voltage max.         55 V           Curied operating per contact max.         4 A           Current operating per contact max.         4 A           Device protection [Sections]         980v           Device protection [Sections]         1967           Degree of protection (Sections)         1968           Additional condition protection degree         1968           Material power of protection (Sections)         1968           Materia	customs tariff number	85444290
Electrical data         20 ms           Capacity CX         20 ms           Electrical data   Supply         Percenting voltage AC           Operating voltage AC min.         19.2 Y           Operating voltage AC min.         28.9 Y           Operating voltage DC max.         28.9 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-of peak voltage max.         55 V           Current operating per contact max.         4 A           All Current operating per contact max.         4 A           Very Part Control (PSC 2053)         1967           Status indication LED         yolkow           Degree of protection (Electrica)         1967           Degree of protection (ESC 2053)         1968           Additional condition protection special protec	GTIN	4065909097663
Capacity CX         20 ms           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.9 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         4 A           Cut-off peak voltage max.         4 A           Current operating per contact max.         4 A           Current consumption max.         12 mA           Designostics         Perating voltage DC min.           Status indication LED         yellow           Device protection   Electrical         Perating per contact max.         4 A           Degree of protection (EN LEC 60529)         PF67           Degree of protection (EN LEC 60529)         PF67           Degree of protection (EN LEC 60529)         PF68           Mechanical data   Material data         Machinal mobility           Mechanical data   Muturing data         Prastic           Mechanical data   Muturing data         Prastic           Mechanical data   Muturing data         Prastic           Mechanical data   Muturing data         Prastic <t< td=""><td>Packaging unit</td><td>1</td></t<>	Packaging unit	1
Electrical data   Supply         24 V           Operating voltage AC Com.         19.2 V           Operating voltage AC max.         28.8 V           Operating voltage DC Communication of the processor	Electrical data	
Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Out-off peak voltage max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.         12 mA           Diagnostics         V           Status indication LED         yellow           Device protection (EN IEC 06029)         1P67           Degree of protection (IS NEC 06029)         1P67           Degree of protection (SO 20653:2013)         1P66K           Additional condition protection degree         inserted, perwed           Mechanical data   Meerial data         V           Mechanical data   Mounting data         Plastic           Mechanical data   Mounting data         Sector           Environmental characteristics   Climatic         V           Operating temperature max.         25 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C     <	Capacity CX	20 ms
Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.4 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Current operating por contact max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.           Value           Degree of protection (EN IEC 60829)           Page of protection (EN IEC 60829)           Degree of protection (ISO 20653-2013)         IP68           Additional condition protection degree           Mechanical data   Material data           Color housing         black           Mechanical data   Material data           Mechanical data   Mounting data           Mounting method         inserted, screwed           Engree of protection (Engree of Engree of Engree of Engree of Protection (Engree of Engree	Electrical data   Supply	
Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.4 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Current operating por contact max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.           Value           Degree of protection (EN IEC 60829)           Page of protection (EN IEC 60829)           Degree of protection (ISO 20653-2013)         IP68           Additional condition protection degree           Mechanical data   Material data           Color housing         black           Mechanical data   Material data           Mechanical data   Mounting data           Mounting method         inserted, screwed           Engree of protection (Engree of Engree of Engree of Engree of Protection (Engree of Engree	Operating voltage AC	24 V
Operating voltage AC max.         28,8 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Out-off peak voltage max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 P           Current operating per contact max.         4 P           Diagnostics         VIII of peak voltage DC max.           Status indication LED         Yellow           Degree of protection [Electrical         VIII of peak voltage DC max.           Degree of protection (EN IEC 60529)         IP67           Degree of protection (ISO 20653-2013)         IP66K           Additional condition protection degree         Inserted, screwed           Mechanical data   Material data         Material housing           Material housing         Platic           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Sector           Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature min.         -26 °C           <		19,2 V
Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.         12 mA           Diagnostics           Status indication LED           Per protection [Electrical           Pergree of protection (EN IEC 60529)           Pegree of protection (EN IEC 60529)         IP67           Degree of protection (ISO 20653-2013)         IP66K           Additional condition protection degree         Inserted, screwed           Mechanical data [Material data           Mechanical data [Maunting data           Mounting method         Inserted, screwed           Environmental characteristics   Climatic           Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes           Installation protection (sable identification           Altention: Observe the permissible bending radii when laying cables, as the IP pr		28,8 V
Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Current consumption max.         12 mA           Diagnostics         Status indication LED         yellow           Device protection   Electrical           Degree of protection (EN LEC 60529)         IP67           Degree of protection (EN LEC 60529)         IP66K           Additional condition protection degree         inserted, screwed           Mechanical data   Material data         Color housing         black           Mechanical data   Mounting data         inserted, screwed           Mechanical data   Mounting data         inserted, screwed           Mounting method         inserted, screwed           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature may         depending on cable quality           Important installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         216           Cabl		24 V
Operating voltage DC max.         30 V           Cut-of peak voltage max.         55 V           Current consumption max.         12 mA           Diagnostics           Status indication LED           Degree of protection [Electrical           Degree of protection (EN IEC 69529)         IP67           Degree of protection (EN IEC 69529)         IP66K           Additional condition protection degree         inserted, screwed           Mechanical data   Material data         Machinal degree of protection degree           Mechanical data   Muniting data         Plastic           Mechanical data   Mounting data           Poperating temperature mix.         25 °C           Operating temperature mix.         85 °C           Additional condition temperature range         dependegree of permissible bending radii when laying cables, as the IP protection clas		18 V
Cut-off peak voltage max.         55 V           Current operating per contact max.         4 A           Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Degree of protection [Electrical           Degree of protection (ISC 0265329)         IP67           Degree of protection (ISC 02653203)         IP66K           Additional condition protection degree         inserted, screwed           Mechanical data   Material data           Color housing         black           Mechanical data   Mounting data         Web Color (ISC) 02653201)           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Volume on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ended definitional on the ended definitional on the ended definition of the insulation of wire insulation         Attention: Observe the permissible bending radii when laying cables, as the IP protection degree definition of the insulation of wire insulation         Attent		30 V
Current operating per contact max.         4 A           Current consumption max.         12 mA           Diagnostics         Verification LED         yellow           Extract indication LED         yellow           Degree of protection [Electrical         Per Certifical (EN IEC 80529)         IP67           Degree of protection (ISO 20683.2013)         IP66K           Additional condition protection degree         inserted, screwed           Mechanical data [Material dats         Verying membrane           Color housing         black           Mechanical data [Mounting data]         Mechanical data [Mounting data]           Environmental characteristics   Climatic         Coperating temperature min.         -2.5 °C           Operating temperature max.         85 °C         -2.4 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Verying conditions and the protection class can be endangered by excessive bending forces.           Installation   Cable         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	Cut-off peak voltage max.	55 V
Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP87           Degree of protection (ISO 20653-2013)         IP66K           Additional condition protection degree         inserted, screwed           Mechanical data   Material data         Mackanical dought and the plants of the plants o		4 A
Status indication LED yellow  Device protection   Electrical  Degree of protection (ISO 20653:2013) IP66K Additional condition protection degree inserted, screwed  Mechanical data   Material data  Color housing black Material housing plastic  Mechanical data   Mounting data  Mounting method inserted, screwed  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Poperating 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.  Installation   Cable  Cable (Hornic Installation of White (Isolation black)  Jacket Color  Amount straining  3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weight 63,8 g/m  Material jacket PVC  Shore hardness jacket  80 ± 5 Shore A	Current consumption max.	12 mA
Degree of protection   Electrical  Degree of protection (EN IEC 60529) IP67  Degree of protection (ISO 20653:2013) IP66K Additional condition protection degree inserted, screwed  Mechanical data   Material data  Color housing black Material housing Plastic  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °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.  Installation   Cable   Cable identification   216  Cable identification   216  Cable identification   3 wires twisted  wire arrangement   black 1, black 2, green-yellow  Cable weight   63,8 g/m  Material jacket   PVC  Shore hardness jacket   60,2 5 Shore A	Diagnostics	
Degree of protection (EN IEC 60529) IP67 Degree of protection (ISO 20653:2013) IP66K Additional condition protection degree inserted, screwed  Mechanical data   Material data  Cotor housing black Material housing Plastic  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  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.  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.  Installation   Cable    Cable identification 216  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow  Cable weight 63,8 g/m  Material jacket PVC  Shore hardness jacket 8 5 Shore A	Status indication LED	yellow
Degree of protection (ISO 20653:2013)         IP66K           Additional condition protection degree         inserted, screwed           Mechanical data   Material data           Color housing         black           Material housing         Plastic           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed           Environmental characteristics   Climatic         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.           Installation   Cable         Cable identification         216           Cable identification         216           Cable identification         216           Cable identification         216           Cable identification         3 writes twisted	Device protection   Electrical	
Additional condition protection degree inserted, screwed  Mechanical data   Material data  Color housing black  Material housing Plastic  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  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.  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.  Installation   Cable  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable wigh 63.8 g/m  Material jacket PVC  Shore hardness jacket 80 £ 5 Shore A	Degree of protection (EN IEC 60529)	IP67
Mechanical data   Material data           Color housing         black           Material housing         Plastic           Mechanical data   Mounting data           Mounting method         inserted, screwed           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.           Installation   Cable         Cable identification           Cable didntification         216           Cable Type         1           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weight         63,8 g/m	Degree of protection (ISO 20653:2013)	IP66K
Color housing         black           Material housing         Plastic           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Very constrain 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.           Installation   Cable         Cable identification         216           Cable identification         216           Cable Type         1           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         63,8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A <td>Additional condition protection degree</td> <td>inserted, screwed</td>	Additional condition protection degree	inserted, screwed
Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °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.  Installation   Cable   Cable identification   216  Cable identification   216  Cable Type   1  Printing color of wire insulation   white (isolation black)  Jacket Color   gray  Amount stranding   1  Stranding   3 wires twisted   wire arrangement   black 1, black 2, green-yellow   Cable weigth   63.8 g/m  Material jacket   PVC  Shore hardness jacket   80 ± 5 Shore A	Mechanical data   Material data	
Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °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.  Installation   Cable   Cable identification   216  Cable identification   216  Cable Type   1  Printing color of wire insulation   white (isolation black)  Jacket Color   gray  Amount stranding   1  Stranding   3 wires twisted   wire arrangement   black 1, black 2, green-yellow   Cable weigth   63.8 g/m  Material jacket   PVC  Shore hardness jacket   80 ± 5 Shore A	Color housing	black
Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °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.  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.  Installation   Cable  Cable identification 216 Cable Type 1 Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1 Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63.8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A		
Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °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.  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.  Installation   Cable  Cable identification 216 Cable Type 1 Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1 Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC Shore hardness jacket 80 ± 5 Shore A		
Environmental characteristics   Climatic  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.  Installation   Cable  Cable identification 216  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A		inserted screwed
Operating temperature min.  -25 °C Operating temperature max. Additional condition temperature may. 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.  Installation   Cable  Cable identification 216  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A		
Operating temperature max.  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.  Installation   Cable  Cable identification 216  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A		
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.  Installation   Cable  Cable identification 216  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A	<u> </u>	
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.  Installation   Cable  Cable identification 216  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A		
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Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Cable identification 216  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A	•	Protect the connectors by suitable measures from machanical leads, a.g. by the usage of cable ties
Installation   Cable  Cable identification 216  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket Polor  Shore hardness jacket 80 ± 5 Shore A		, , , , , , , , , , , , , , , , , , , ,
Cable identification         216           Cable Type         1           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         63,8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A	Note on bending radius	
Cable Type         1           Printing color of wire insulation         white (isolation black)           Jacket Color         gray           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         63,8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A	Installation   Cable	
Printing color of wire insulation white (isolation black)  Jacket Color gray  Amount stranding 1  Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A	Cable identification	216
Jacket Color         gray           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         63,8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A	Cable Type	1
Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         63,8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A	Printing color of wire insulation	white (isolation black)
Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         63,8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A	Jacket Color	gray
wire arrangement black 1, black 2, green-yellow  Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A	Amount stranding	1
Cable weigth         63,8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A	Stranding	3 wires twisted
Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A	wire arrangement	black 1, black 2, green-yellow
Shore hardness jacket 80 ± 5 Shore A	Cable weigth	63,8 g/m
	Material jacket	PVC
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness jacket	80 ± 5 Shore A
	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free

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: 2024-05-17

Min. operating temperature (static)

Max. operating temperature (fixed)

Flame resistance

chemical resistance

Gasoline resistance

Bending radius (fixed)

Bending radius (dynamic)

Oil resistance

Operating temperature min. (dynamic)

Operating temperature max. (dynamic)



Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,8 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	43 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	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)	3 kV @ 60 s
Power frequency withstand voltage (wire -	3 kV @ 60 s

UL 1581 § 1090 | IEC 60332-2-2 | UL 1581 § 1100 FT2

Good, application-related testing | DIN EN 60811-404

Good, application-related testing

Good, application-related testing

5 x Outer diameter

10 x Outer diameter

-30 °C

70 °C

-5 °C

70 °C