

## M12 male 0° A-cod. / MSUD valve plug B-10mm

PVC 3x0.75 gy 0.3m

Form B (10 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression

Further cable lengths on request.

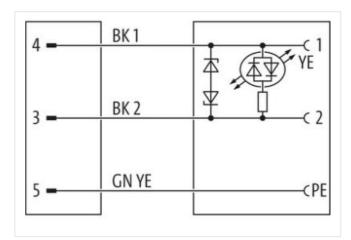
Plastic housings with good resistance against chemicals and oils.

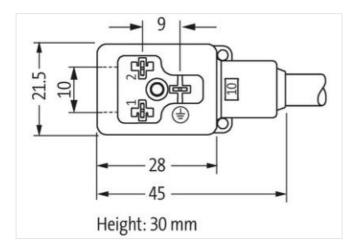
The resistance to aggressive media should be individually tested for your application. Further details on request.

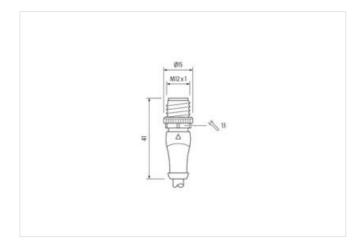
## **Link to Product**

## Illustration



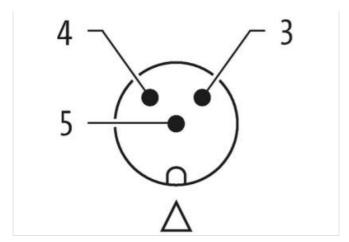


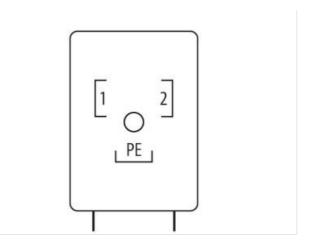






stay connected





Product may differ from Image







Cable length	0,3 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,4 Nm
Family construction form	MSUD B
Thread	M3
No. of poles	3
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879147941
Packaging unit	1
Electrical data	
Capacity CX	20 ms



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Uperating violage AC min. 192 V Certaing violage BC min. 195 V Certaing violage BC min. 30 V Current general violage BC min. 4 A  Device protection   Electrical  Device protection   Electrical  Additional suspense or material service and service	On anating well-are AO	
Operating voltage AC max.         28 8 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-off-pack voltage max.         55 V           Cutron praparing per contact max.         4 A           Diagnostics         V           Status indication LED         yellow           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         0,8 W           Marked surge voltage         2 Dodge           Marked	Operating voltage AC	24 V
Operating voltage DC min         18 V           Operating voltage DC max         30 V           Cull-off pask voltage max         55 V           Cull-off pask voltage max         55 V           Current operating per contact max         4 A           Diagnostics         Status Indication LED         yellow           Device protection [Electrical         Value of March 19 Common Part	Operating voltage AC min.	19,2 V
Operating voltage DC min.         18 V           Operating voltage DC min.         30 V           Current operating per contact max.         4 A           Device protection   Electrical         Voltage max.           Status indication LED         yellow           Device protection   Electrical         Voltage max.           Additional condition protection degree         inserted, screwed           Rated surge voltage         0.8 kV           Material group (EG 9684-1)         1           Cotificing surger or contact max.         2-Diode           Mechanical data   Material data         Vorzinki           Cocting locking         Nickleded           Locking surger wording         vorzinki           Color housing         black           Material housing         Plassic           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Operating proporature min.           Operating proporature min.         -25 °C           Operating proporature min.         -25 °C           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Institution   Cable registration   Cable registration   Cable registration	Operating voltage AC max.	28,8 V
Operating verlage DC max         55 V           Cut off peak voltage max         55 V           Diagnostice         Status indication LED         yellow           Device protection [Electrical         Verlow           Additional condition protection degree         inserted, screwed           Ratic surge voltage         0,8 kV           Additional suppressor         2-Dode           Mechanical data [Material data]         Mickeled           Locking scribing         Nickeled           Locking scribing         blook           Material prouting         Plastic           Locking status         Zince discasting           Material housing         Plastic           Locking material         Zince discasting           Mounting method         inserted, screwed           Environmental characteristics [Climatic         Coperating temperature min.           Operating temperature min.         -25 °C           Operating temperature min.         -26 °C           Operating temperature min.         -27 °C	Operating voltage DC	24 V
Cutrent operating per contact max.         4 A           Ourrent operating per contact max.         4 A           Disagnostics         ************************************	Operating voltage DC min.	18 V
Current operating per contact max.         4 A           Diagnostics         Status indication LED         yellow           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Rated surge young (EC 80684+1)         I           Additional suppressor         Z Diode           Mechanical datal (Material data)         Workerhald (Material data)           Coating looking         Nickeled           Locking sorew coating         verzinkt           Coating looking         Nickeled           Locking sorew coating         verzinkt           Coating looking         Plastic           Locking processor         verzinkt           Material noviang         Plastic           Locking material         Zinc die casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Actional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076 2 101 (M12), DIN EN 178301-803 (MSUD)         Institution (Cable Copies of wire insulation)         Product standard (Cable Copies of Wire Insulation)         Avince Neide Cable Copies of Wire Insulatio	Operating voltage DC max.	30 V
Diagnostics           Status indication LED         yellow           Device protection [Electrical]           Additional condition protection degree         inserted, screwed           Rated surge voltage         0,8 kV           Material group (EC 806841)         1           Additional suspressor         2 Diode           Mechanical data   Material data         Security (Coloring Coloring)           Coloring screw coating         verzinkt           Color housing         black           Machanical data   Mounting data         Machanical data   Mounting 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           Conformity         Product standard         DIN EN 61076-2-101 (M12, DIN EN 175301-803 (MSUD)         Installation Cable           Cable identification         216         Cable identification         216           Cable of type         1         Printing outer of wire installation         with telepation black)           Jacket Cofor         gray         Amount stranding         1           Printing outer of wire installation         25 S	Cut-off peak voltage max.	55 V
Status indication LED yellow  Device protection   Electrical  Additional condition protection degree inserted, screwed  Raced surge voltage 0.8 kV  Material group (IEC 69664-1) I  Additional suppressor Z Diode  Mechanical data   Material data  Casting looking Nickeled  Codering looking Nickeled   Codering cover ocoting Verzinkt  Codering cover ocoting Verzinkt  Codering super ocoting Verzinkt  Codering super ocoting Verzinkt  Codering material Tooking Plastice  Codering material Tooking Codering Verzinkt  Codering material Verzing Verzinkt  Mounting method Inserted, screwed  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature min. 25 °C  Operating temperature min. 25 °C  Operating temperature min. 26 °C  Additional condition temperature range depending on cabile quality  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 178301-803 (MSUD)  Installation   Cobbe  Cable identification 216  Cable in Type 1 1  Printing color of wire insulation white (solation black)  Jacket Color gray  Amount arranding 1 1  Cable weight Size of the service of the s	Current operating per contact max.	4 A
Device protection   Electrical   Inserted, screwed   Inserted   Inser	Diagnostics	
Additional condition protection degree Rated surge voltage 0,8 kV  Additional suppressor 2-Diode  Mechanical data   Material draw  Coding looking Wechanical data   Material data  Coding looking Wechanical data   Material data  Color housing Platic Coding sown coating Verzinkt Coloring sown coating Verzinkt Coloring membra Looking sown coating Wechanical data   Mounting data  Mounting method Insert all rousing Mechanical data   Mounting data  Mounting method Insert all rousing Mechanical data   Mounting data  Mounting method Insert all rousing Wechanical data   Mounting data  Mounting method Insert all rousing Mounting method Insert all rousing Wechanical data   Mounting data  Mounting method Insert all rousing Wechanical data   Mounting data  Mounting method Insert all rousing Wechanical data   Mounting data  Mounting method Insert all rousing Wechanical data   Mounting data  Department to remain and the provided of the provided	Status indication LED	yellow
Rated surge voltage         0.8 kV           Material group (EC 60684-1)         1           Additional suppressors         2-Diode           Mechanical data   Material data         1           Coating locking         Nickeled           Locking sorew coating         verzinkt           Color housing         black           Material bousing         Plastic           Locking material         Zinc die-casting           Mechanical data   Mounting data         Incidence and properties of the casting           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cabbie quality           Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)         Installation   Cabbie           Cable identification   Cabbie         216         Cabbie vigentification   Cabbie   Cabbie Vigentification   Cabbie   Cabbie Vigentification   Cabbie   Cabbie   Cabbie Vigentification   Cabbie   Cabbi	Device protection   Electrical	
Material group (IEC 60664-1)         2-Diode           Additional suppressor         2-Diode           Mechanical data [Material date	Additional condition protection degree	inserted, screwed
Additional suppressor         Z-Diode           Mechanical data   Material data           Coating locking         Nickeled           Locking screw coating         verzinkt           Color housing         black           Material housing         Plastic           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic         Comparing temperature min.         25° °C           Operating temperature may         85° °C         Additional condition temperature range         depending on cable quality           Conformity         Today         Today         Today           Product standard         Din En 61076-2-101 (M12), DIN EN 175301-803 (MSUD)         Din En 1818itoin   Cable           Cable in Jupe         1         Today         Din En 1975-2-101 (M12), DIN EN 175301-803 (MSUD)	Rated surge voltage	0,8 kV
Mechanical data   Material data         Nickeled           Locking screw coating         verzinkt           Color Housing         black           Material housing         Plastic           Locking material         Zinc die-asting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Mechanical data   Mounting data           Environmental characteristics   Climatic         Concentry           Operating temperature min.         -25 °C           Operating temperature man.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         Din En 61076 2-101 (M12), Din En 175301-803 (MSUD)           Installation   Cable         Cable of the contraction of the	Material group (IEC 60664-1)	
Coating locking         Nickeled           Locking serew coating         verzinkt           Color housing         black           Material housing         Plastic           Locking material         Zinc die-casting           Mechanical data   Mounting data         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           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable         216           Cable defullication         216           Cable Type         1           Printing color of wire insulation         while (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           Snore hardness jacket         80 ± 5 Shore A           Freedom	Additional suppressor	Z-Diode
Coating locking         Nickeled           Locking serew coating         verzinkt           Color housing         black           Material housing         Plastic           Locking material         Zinc die-casting           Mechanical data   Mounting data         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           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable         216           Cable defullication         216           Cable Type         1           Printing color of wire insulation         while (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           Snore hardness jacket         80 ± 5 Shore A           Freedom		
Locking screw coating         verzinkt           Color housing         black           Material housing         Plastic           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting 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           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable         Cable identification         216           Cable identification         216         Cable identification         216           Cable identification         216         Cable identification         210           Cable identification         216         Cable identification         216           Cable identification         216         Cable identification         216           Cable identification         31         Standard in seried, seried with identification black)           Jasket Color         gray         Amount straining         3           Stacket Color         gray         Amount s	·	Nickeled
Color housing         black           Material housing         Plastic           Locking material         Zin die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed           Environmental characteristics   Climatic         Commental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable         Cable (solatification         216           Cable (solatification         216         Cable (solation black)           Jacket Color         gray           Amount standing         1         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         80.2 5 Shore A           Freedom from ingredents (jacket)         1.5 %           Outer-dameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %		
Material housing         Plastic           Locking material         Zinc die-casting           Mechanical data   Mounting 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           Conformity         Troduct standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable         Cable Identification         216           Cable Identification         216         Cable Identification         216           Cable Type         1         Printing color of wire insulation         with (isolation black)           Jacket Color         gray         Amount stranding         1           Stranding         3 vires 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           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 % <td></td> <td></td>		
Locking material         Zinc die-casting           Mechanical 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           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable         Cable identification         216           Cable identification         216         Cable identification         217           Cable identification         216         Cable identification         218           Cable identification         216         Cable identification         216           Cable identification         216         Cable identification         218           Cable identification         216         Cable identification         218           Cable identification         216         Cable identification         216           Cable identification         gray         Amount standing         3 write identification black)           Jacket Color         gray         4 Shore A           Standing         3 Wies twisted           Waterial jacket         PVC		
Mechanical 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           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable           Cable dentification         216           Cable Type         1           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           Freedom from ingredients (jacket)         lead-free, cadminum-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material properties wire insulation         1,8 mm           Outer diameter tolerance core insulat		
Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Conformity  Product standard DIN En 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  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 weigh 63,8 g/m  Material jacket PVC  Shore hardness jacket 80±5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material insulation 1,8 mm  Outer diameter insulation 33±5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free		Zinc die-casting
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Contormity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           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         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         1,8 mm           Outer diameter insulation         43 ± 5 Shore D           Material properties wire insulation         good mac		
Operating temperature min.  25°C Operating temperature max. 85°C Additional condition temperature range depending on cable quality  Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  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 Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (sheath) ± 5 % Material vire insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Mounting method	inserted, screwed
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  Installation   Cable Cable Identification 216 Cable Original Type 1 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 Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (sheath) ± 5 % Material vire insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  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 80±5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  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 rolerance core insulation 49 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Operating temperature min.	-25 °C
Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           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           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           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         43 ± 5 Shore D           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free	Operating temperature max.	85 °C
Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  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 Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter (sheath) ± 5 % Material wire insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Additional condition temperature range	depending on cable quality
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           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           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         lead-free, cadmium-free, CFC-free, silicone-free	Conformity	
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 Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (sheath) ± 5 % Material wire insulation PVC  Material wire insulation PVC  Material wire 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	Product standard	DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)
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         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       5,9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter tolerance core 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	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       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       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     lead-free, cadmium-free, CFC-free, silicone-free	Cable identification	216
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       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       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     lead-free, cadmium-free, CFC-free, silicone-free		
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 Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free 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		white (isolation black)
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 Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free 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		
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  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  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		
wire arrangement     black 1, black 2, green-yellow       Cable weigth     63,8 g/m       Material jacket     PVC       Shore hardness jacket     80 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       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	·	3 wires twisted
Cable weigth 63,8 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  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		black 1, black 2, green-yellow
Material jacket       PVC         Shore hardness jacket       80 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         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	_	
Shore hardness jacket 80 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  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		-
Freedom from ingredients (jacket)  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  43 ± 5 Shore D  Material properties wire insulation  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, silicone-free	·	
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	·	
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	-	5,9 mm
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	Tolerance outer diameter (sheath)	±5%
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	Material wire insulation	PVC
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	Amount wires	3
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	Outer diameter insulation	1,8 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness wire insulation	43 ± 5 Shore D
	Material properties wire insulation	good machinability
Printing color of wire insulation white (isolation black)	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
	Printing color of wire insulation	white (isolation black)

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26

Oil resistance

Bending radius (fixed)

Bending radius (dynamic)



A second about de (circ)	24
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	500 V
Power frequency withstand voltage power (wire - jacket)	3 kV @ 60 s
AC withstand voltage power (wire - wire)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing

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

5 x Outer diameter

10 x Outer diameter