

## M12 male on top A-cod. / MSUD double valve A-18mm

PUR 3x0.75 gy UL/CSA 0m

Form A (18 mm) - M12, connector top entry 24 V AC/DC, M12 (4-pole) LED and suppression Connection cable L = 100 mm

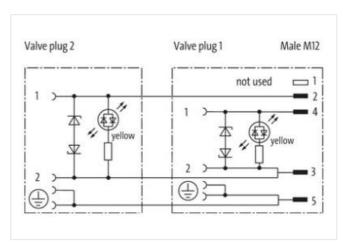
Plastic housings with good resistance against chemicals and oils.

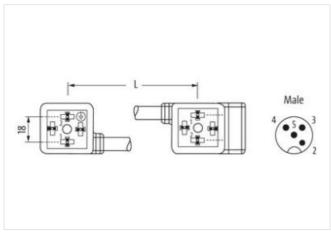
The resistance to aggressive media should be individually tested for your application. Further details on request.

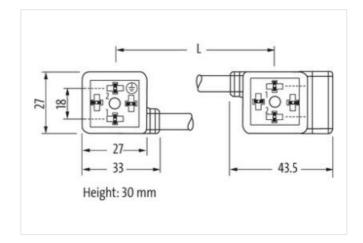
## **Link to Product**

## Illustration









Product may differ from Image



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



Trivaci	Tightening torque	0,4 Nm
ECLASS 6.0         27143423           ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27279218           ECLASS 10.1         27060312           ECLASS 11.1         27000312           ECLASS 12.0         27060312           ECLASS 12.0         ECO1855           CLASS 12.0         ECO1855           CLIMIN 4098879144544           Packinging unit         1           Electrical data         1           Electrical data         1           Electrical data I Supply         0           Operating voltage AC         24 V           Operating voltage AC min.         19 2 V           Operating voltage AC min.         19 2 V           Operating voltage AC min.         19 V           Operating voltage DC min.         19 V           Operating voltage DC min.         19 V           Operating voltage DC min.         19 V           Cul of paul voltage max.         4 A           Diagnostics         18 V           Statis in Goation i. ED         yellow           Power protection i. Electrical         1           Degree of protection (Electrical	Thread	M3
ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27090312           ECLASS-9.0         27090312           ECLASS-11         27090312           ECLASS-12.0         27090312           ECLASS-11.0         27090312           ECLASS-12.0         27090312           ECHASS-12.0         27090312           ETM-6.0         8544290           GTN         404879144544           Packaging unit         1           Electrical data         1           Electrical data i Supply         V           Operating voltage AC         24 Y           Operating voltage AC max.         28.8 V           Operating voltage AC max.         19.2 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         19 W           Objective protection I EV ECC 60529         1987           Additional condition protection degree         3           Alterial post voltage of protection I EV ECC 60529         1987           Autorial post voltage of protection I EV ECC 60529         1987           Mactorial	Commercial data	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27090312           ECLASS-10.1         27090312           ECLASS-11.1         27090312           ECLASS-12.0         27090312           ECLASS-13.0         27090312           ETIM-5.0         ECO1855           Countries furth funder         8544290           GTIN         4048879144544           Packaging unit         1           Electrical data         20           Capoel VX         20 ms           Electrical data         20           Capoel value         24 V           Operating voltage AC         24 V           Operating voltage AC         24 V           Operating voltage DC min.         18 V	ECLASS-6.0	27143423
ECLASS 9.0         27702018           ECLASS 9.0         277020312           ECLASS 9.0.1         27060312           ECLASS 11.1         27060312           ECLASS 12.0         27060312           ETIM-5.0         ECO01855           customs staff number         85744290           GTIN         404879744544           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC mis.         19,2 V           Operating voltage AC mis.         19,2 V           Operating voltage DC mis.         18 V           Operating voltage DC mis.         18 V           Operating voltage DC mis.         18 V           Operating voltage DC mis.         30 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         19 (b) w           Degree of protection   EN   EC 60529         19 (b) w           Powlos protection   EN   EC 60529         10 (b) w           Powlos protection   EN   EC 60529         10 (b) w           Powlos protection   EN   EC 60529         10 (b) w           Necharical   Material dat	ECLASS-6.1	27279218
ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         ECOMBSS           customs tarill number         85444290           GTIN         4048879144544           Packaging unit         1           Electrical data         Capacity CX           Electrical data   Supply         Perating voltage AC           Operating voltage AC max.         28.8 V           Operating voltage AC max.         28.8 V           Operating voltage OC max.         28.8 V           Operating voltage DC min.         18.V           Operating voltage DC max.         30.V           Cut-off peak voltage max.         55.V           Cut-off peak voltage max.         55.V           Cut-off peak voltage max.         55.V           Device protection   Electrical         Peak voltage max.           Degree of protection   Electrical         Peak voltage max.           Degree of protection   Electrical         Peak voltage max.           Degree of protection   Electrical         Peak voltage max.           Material proup (EC 60064.1)         I           Mechanical data   Material data         Voltage max.     <	ECLASS-7.0	27279218
EGLASS-10.1         27060312           EGLASS-11.0         27060312           EGLASS-12.0         27060312           ETIM-5.0         EC001855           customs talff number         85444290           GTIN         404879144544           Packaging unit         1           Efectrical data         Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC max.         28.8 V           Operating voltage AC max.         28.8 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         4 A           Degree of protection (ER DEC per contact max.)         4 A           Packed protection (ER DEC per contact max.)         4 A           Packed protection (ER DEC per contact max.)         4 A           Packed protection (ER DEC per contact max.)         1 Per 7           Additional condition protection degree         1 per 7           Additional condition protection degree         3 per 7           Additional condition protection degree         1 per 7           Additional condition protection degree         1 per 7           Additional cond	ECLASS-8.0	27279218
ECLASS-1.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         ECOMISS           customs tarff rumber         85444290           GTIN         4048879144544           Packaging unit         1           Electrical dats         Very Company           Electrical dats         Very Company           Electrical dats Suppty         Very Company           Poperating voltage AC         24 V           Operating voltage AC ms.         19,2 V           Operating voltage AC ms.         28,8 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         30 V           Cut-off peak voltage max.         55 V           User of perating per contact ms.         4 A           Diagnostics         Status indication LED           Posice protection [Electrical         yellow           Device protection [Electrical         perating voltage and perating perating perating perating indicated and perating perating and perating	ECLASS-9.0	27060312
ECLASS-12.0         27060312           ETIM 5.0         EC001885           usborns tariff unriber         35444290           GTIN         4048879144544           Packaging unit         1           Electrical data         Electrical data           Capacity CX         20 ms           Electrical data   Suppty         Poperating voltage AC min.           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         4 A           Diagnostice         V           Status indication LED         yellow           Device protection [Electrical         V           Device protection [Electrical         V           Pollution Dagoe         3           Rated surge voltage         0.8 kV           Material proup (ICE 80864-1)         1           Pollution Dagoe         3           Rechan	ECLASS-10.1	27060312
ETIM 5.0         EC001855           customs tariff number         85444290           GTIN         404837144544           Packaging unit         1           Electrical data         ************************************	ECLASS-11.1	27060312
customs tariff number 6544290 GTIN 4948879144544 Packaging unit 1  Electrical data Capacity CX 20 ms Electrical data   Supply Operating voltage AC 24 V Operating voltage AC inin. 19.2 V Operating voltage AC min. 19.2 V Operating voltage AC min. 19.2 V Operating voltage AC min. 18.V Operating voltage DC 24 V Operating voltage DC inin. 18.V Operating voltage DC max. 30 V Operating voltage DC min. 18.V Operating voltage DC max. 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED yellow  Device protection [Electrical Degree of protection (EN EC 60529) PB7 Additional condition protection degree inserted, screwed Pollution Degree 3 A Rated surge voltage AC 60664-1)  Mechanical data   Material data  With Material proup (IEC 60664-1) Back Material proup (IEC 60664-1)	ECLASS-12.0	27060312
GTN         4048879144544           Packaging unit         1           Electrical data         Capacity CX         20 ms           Electrical data   Supply         Ceptagonity CN         24 V           Operating voltage AC         24 V         Ceptagonity CN         28 N V           Operating voltage AC min.         192 V         Ceptagonity Voltage AC min.         192 V           Operating voltage AC min.         18 V         Ceptagonity Voltage DC min.         18 V           Operating voltage DC min.         18 V         Ceptagonity Voltage DC min.         18 V           Operating voltage DC min.         18 V         Ceptagonity Voltage DC min.         18 V           Operating voltage DC min.         30 V         Cell of peak voltage max.         55 V           Cut-of lopak voltage max.         55 V         Cell of peak voltage max.         10 V           Degree of protection [Electrical         Per Voltagonity Voltage Marketin LED         Per Voltagonity Voltage Marketin LED         Per Voltagonity Voltage Marketin LED         Per Voltagonity Per Voltagon	ETIM-5.0	EC001855
Packaging unit         1           Electrical data         20 ms           Capacity CX         20 ms           Electrical data   Supply         Perating voltage AC           Operating voltage AC min.         19.2 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           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         4 A           Diagnostics         Status indication LED         yellow           Degree of protection (EN LEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Material housing           Mechanical data   Mounting data         inserted, screwed           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature max.         85 °C	customs tariff number	85444290
Electrical data   Supply   Electrical data   Electrical d	GTIN	4048879144544
Capacity CX         20 ms           Electrical data   Supply           Operating 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           Cut-off peak voltage max.         55 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Device protection   Electrical           Device protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Color housing         black           Mechanical data   Munting data         Mechanical data   Munting data         Mechanical data   Munting data           Mechanical data   Munting data         S °C           Coperating temperature max.         25 °C	Packaging unit	1
Electrical data   Supply           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 pmax.         30 V           Cut-off peak voltage max.         55 V           Current operating per contact max.         4 A           Device protection LED           Degree of protection   Electrical           Degree of protection   Electrical           Degree of protection   Electrical           Degree of protection   Electrical           Begree of protection	Electrical data	
Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.8 V           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Device protection per contact max.         4 A           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60684-1)         1           Mechanical data   Material data           Color housing         black           Material proup (IEC 60684-1)         1           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 no	Capacity CX	20 ms
Operating voltage AC min.         19,2 V           Operating voltage AC max.         28,8 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           Cut-off peak voltage max.         4 A           Degrating voltage pc contact max.         4 A           Degrating per contact max.         4 A           Degrating before the per contact max.         4 A           Degrating temperation per contact max.         4 A           Degrating temperation per per contact max.         4 S           Additional condition per per contact max.         4 S           Degrating temperature min.         25 °C           Degrating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           A	Electrical data   Supply	
Operating voltage AC min.         19,2 V           Operating voltage AC max.         28,8 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           Cut-off peak voltage max.         4 A           Degrating voltage pc contact max.         4 A           Degrating per contact max.         4 A           Degrating before the per contact max.         4 A           Degrating temperation per contact max.         4 A           Degrating temperation per per contact max.         4 S           Additional condition per per contact max.         4 S           Degrating temperature min.         25 °C           Degrating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           A	Operating voltage AC	24 V
Operating voltage AC max.         28.8 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           Diagnostics           Status indication LED           Degree of protection [Electrical           Degree of protection [Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Poliution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Color housing           Material housing           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		
Operating voltage DC min.         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           Designostics           Status indication LED         yellow           Device protection [Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60684-1)         I           Mechanical data   Material data           Color housing           Material housing         Plastic           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic		•
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           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           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 min.         -25 °C           Operating temperature range         depending on cable quality           Important installation notes           Note on strain relief         Protect the connectors by suitable measures from		24 V
Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         yellow           Degree of protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           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.           N		18 V
Current operating per contact max. 4 A  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60684-1) I  Mechanical data   Material data  Color housing black  Material housing Plastic  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Cyperating temperature mia. 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.  Installation   Cable  Cable identification 226		30 V
Diagnostics           Status indication LED         yellow           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           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	Cut-off peak voltage max.	55 V
Status indication LED yellow  Pevice protection   Electrical  Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Color housing black Material housing Plastic  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 bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Current operating per contact max.	4 A
Device protection   Electrical  Degree of protection (EN IEC 60529)	Diagnostics	
Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Color housing black  Material housing Plastic  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 226	Status indication LED	yellow
Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Color housing black  Material housing Plastic  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 226	Device protection   Electrical	
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Color housing black  Material housing Plastic  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.	Degree of protection (FN IFC 60529)	IP67
Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Color housing black  Material housing Plastic  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 226		
Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Color housing black  Material housing Plastic  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 226		
Material group (IEC 60664-1)  Mechanical data   Material data  Color housing black  Material housing Plastic  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 226		
Color housing black  Material housing Plastic  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 226		I
Color housing black  Material housing Plastic  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 226	Mechanical data   Material data	
Material housing Plastic  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 226	·	hlaak
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 226		
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 226		i idalio
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 226		issasted acround
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 226		inserted, screwed
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 226	·	
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 226		
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 226		
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 226		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.  Installation   Cable  Cable identification  226	Important installation notes	
Installation   Cable  Cable identification 226	Note on strain relief	
Cable identification 226	Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
	Installation   Cable	
Cable Type 2	Cable identification	226
	Cable Type	2

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: 2024-05-02



Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	55,33 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	PVC
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
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C