

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

PUR 3x0.75 gy UL/CSA+drag ch. 0m

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

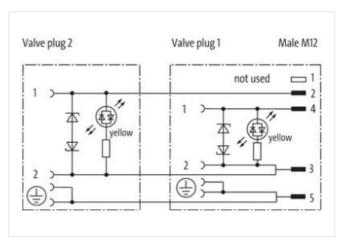
Plastic housings with good resistance against chemicals and oils.

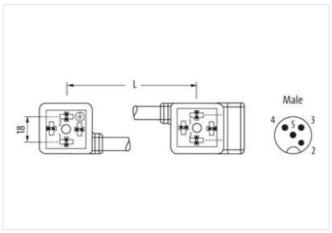
The resistance to aggressive media should be individually tested for your application. Further details on request.

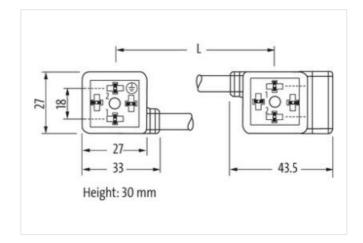
Link to Product

Illustration









Product may differ from Image



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



stay connected

Commercial data ECLASS-6.0 27144923 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 2729218 ECLASS-9.0 2729218 ECLASS-9.1 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27061855 customs tariff number 8544260 GTIN 4088579144537 Peackaging unit 1 Electrical data 1 Electrical data 2 Capacity CX 2 ome Capacity Oxidage AC 24 V Operating voltage AC ome 28.8 V Operating voltage AC ome 28.8 V Operating voltage AC ome 28.8 V Operating voltage AC ome 28.9 V Operating voltage Cortical <th>Tightening torque</th> <th>0,4 Nm</th>	Tightening torque	0,4 Nm
ECLASS-6.0 27149423 ECLASS-6.1 27797818 ECLASS-7.0 27279618 ECLASS-8.0 27279618 ECLASS-9.1 27090312 ECLASS-10.1 27090312 ECLASS-11.1 27090312 ECLASS-12.0 27090312 ECLASS-12.0 ECO1855 COLASS-12.0 ECO1855 COLASS-12.0 PORTHOR CTIN 4048879144537 Packaging unit 1 Electrical data TOPA Electrical data Supply POperating voltage AC Operating voltage AC 24 Y Operating voltage AC max. 28.8 Y Operating voltage AC max. 28.9 Y Operating voltage AC max. 28.9 Y Operating voltage DC min. 18 Y Operating voltage DC min. 18 Y Operating voltage DC min. 18 Y Operating voltage DC min. 30 Y Cult-off peaks voltage max. 4 A Diagnostics 30 Y Status indication LED yellow	Thread	M3
EGLASS-6.1 27279218 EGLASS-7.0 27279218 EGLASS-8.0 27279218 EGLASS-9.0 27000312 EGLASS-10.1 27080312 EGLASS-11.1 27080312 EGLASS-12.0 27060312 EGLASS-12.0 27060312 EGLASS-12.0 27060312 EGLASS-12.0 27060312 EGLASS-12.0 27060312 EGLASS-12.0 27060312 GTIN 404987914537 Packaging unit 1 Electrical data 1 Geperating voltage DC Test of the Company of Mage AC 24 V Operating voltage AC 24 V Operating voltage AC max. 28.8 V Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC min. 30 V Current operating per contact max. 4 A Dispected of protection Electrical yellow Degree of protection Electrical yellow Degree of protection Electrical yellow Degree of protection	Commercial data	
ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27090312 ECLASS-10.1 27090312 ECLASS-11.5 27090312 ECLASS-12.0 27060312 ETIM-5.0 ECOR1955 Usualisms faulf number 8544290 GTIN 4048879144537 Packaging unit 1 Electrical data 1 Capacity CX 20 ms Electrical data 2 Capacity CX 20 ms Electrical data Supply 2 Operating voltage AC 24 V Operating voltage AC max. 28,8 V Operating voltage AC max. 28,8 V Operating voltage AC max. 30 V Cut-off peak voltage DC max. 30 V Cut-off peak voltage DC max. 4 A Cut-off peak voltage max. 55 V Cut-off peak operating the contact max. 4 A Perice protection [Electrical] 1967 Degree of protection [Electrical] 1968 Degree of protection [Electrical] 19	ECLASS-6.0	27143423
ECLASS-8.0 27278018 ECLASS-9.0 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC01985 outstoms starff number 85444290 GTIN 494879144537 Packaging unit 1 Electrical data Electrical data Supply Operating voltage AC 24 V Operating voltage AC from. 19.2 V Operating voltage AC from. 19.2 V Operating voltage AC from. 29.8 V Operating voltage AC from. 19.4 V Operating voltage DC min. 16 V Operating voltage DC min. 16 V Operating voltage DC max. 30 V Cut-off pack voltage max. 55 V Cut-off pack voltage max. 55 V Diagnostics Status indication LED Degree of protection EN IEC 60529) PE7 Additional condition protection degree 1 inserted, screwed Pullution Degree 3 Rated surps voltage 0.8 kV	ECLASS-6.1	27279218
ECLASS 9.0 27080312 ECLASS 1-0.1 27080312 ECLASS 1-1.1 27080312 ECLASS 1-0.0 27080312 ECLASS 1-0.0 EC001855 ousions fariff number 89444290 GTIN 4049879144537 Packaging unit 1 Electrical data Capacity CX Capacity CX 20 ms Electrical data Supply Percenting voltage AC Operating voltage AC ms. 28.8 V Operating voltage AC ms. 19.2 V Operating voltage AC ms. 28.8 V Operating voltage DC ms. 30 V Operating voltage DC ms. 30 V Cul-of types voltage ms. 55 V Current operating per contact ms. 4 A Degree of protection Electrical Degree of protection Electrical Degree of protection Electrical 3 Degree of protection Electrical 3 Degree of protection Electrical 4 Degree of protection Electrical 5 Macterial group (EC 60664-1) 1 Mechanical data	ECLASS-7.0	27279218
ECLASS-10.1 27660312 ECLASS-11.0 27660312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 404879144537 Packaging unit 1 Electrical date Electrical date Capacity CX 20 ms Electrical date Supply Percentage of Capacity CX Operating voltage AC max. 29,8 V Operating voltage AC max. 29,8 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V Cut-off peak voltage per contact max. 4 A Pages ed protection (ENEC 60529) 1967 Additional condition protection (Electrical description (ENEC 60529) 1967 Powles protection (ENEC 60529) 1967 Additional condition protection degree 1 inserted, screwed Pollution Degree 3 Rated asurge voltage 0,8 kV Malerial goup (EC 606641) 1 Macherial data Mounting data 1 inserted, screwed Color housing black	ECLASS-8.0	27279218
ECLASS-1.1.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048878144537 Packaging unit 1 Electrical data Capacity CX 20 ms 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. 20 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Out-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 Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree 3 Rated sugs voltage 0.8 kV Material pour (IEC 60664+1) 1 <t< td=""><td>ECLASS-9.0</td><td>27060312</td></t<>	ECLASS-9.0	27060312
ECLASS-12.0 2780312 ETIM-5.0 EC001855 CUSTON 85444290 GTIN 4048879144537 Packaging unit 1 Electrical data Capacity CX 20 ms Electrical data Supply Operating voltage AC min. 19.2 V 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-ort operating per contact max. 4 A Diagnostics Status indication LED Status indication LED yellow Device protection [Electrical 1 Degree of protection (EN IEC 80529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0.8 kV Material proup (IEC 80664+1) 1 Mechanical data [Mounting data black	ECLASS-10.1	27060312
ETIM-5.0 EC001855 Customs tarilf number 85444290 GTIN 404867144537 Packaging unit 1 Electrical data Capacity CX 20 ms Electrical data [Suppty Operating voltage AC 24 V 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 PC max. 30 V Current operating per contact max. 4 A Diagnostics Status indication LED Status indication LED yellow Device protection Electrical Percept protection Electrical Begree of protection Electrical Percept protection Electrical Begree of protection Electrical Percept Electrical Begree of	ECLASS-11.1	27060312
customs tariff number 85444290 GTIN 4048879144537 Packaging unit 1 Electrical data Capacity CX 20 ms Electrical data Supply Poperating voltage AC 24 V Operating voltage AC min. 19.2 V Operating voltage AC max. 28.8 Y 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. 4 A Device protection I Electrical Device protection I (EVI EC 60829) PB7 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 Very Color of Colo	ECLASS-12.0	27060312
GTIN 4048679144537 Packaging unit 1 Electrical data Capacity CX 20 ms Electrical data Suppty 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. 4 A Bidulidation LED yellow Device protection I Electrical Device protection I Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree 3 Rated surge voltage 0,8 kV Material group (IEC 6064-1) 1 Mechanical data Material data Material mousing Plastic Mechanical data Munting data Mounting method inserted, screwed Environmental characteristics Climatic <td>ETIM-5.0</td> <td>EC001855</td>	ETIM-5.0	EC001855
Packaging unit 1 Electrical data Capacity CX 20 ms Electrical data Supply Electrical data Supply Operating voltage AC min. 19.2 V Operating voltage AC min. 19.2 V Operating voltage DC max. 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. 55 V Cut-off peak voltage max. 4 A Diagnostics Velow Status indication LED yellow Device protection Electrical Velow Device protection Electrical Velow Device protection Electrical Velow Device protection Electrical Very Electrical Screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Mechanical data Material data Mechanical data Munting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. <td< td=""><td>customs tariff number</td><td>85444290</td></td<>	customs tariff number	85444290
Electrical data Suppty Flectrical data Suppty 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 min. 18 V Operating voltage DC min. 18 V Operating voltage DC min. 30 V Cut-off peak voltage max. 55 V Cut-off peak voltage max. 4 A Flagionarities Flagionarities Status indication LED yellow Policy operating operating per contact max. 4 A Flagionarities Flagionarities 18 PF Additional condition 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 Mechanical data Material data Mechanical data Material data Mechanical data Material data Mechanical data Mounting data	GTIN	4048879144537
Capacity CX 20 ms Electrical data Supply 24 V Operating voltage AC 24 V Operating voltage AC min. 19,2 V Operating voltage AC max. 28,8 V Operating voltage DC max. 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 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 60684-1) I Mechanical data Mounting data Plastic Mechanical data Mounting data Mounting method Mechanical data Mounting data inserted, screwed Environmental characteristics Climatic Coperating temperature min. 25 °C Operating temperature max. 85 °C Acdit	Packaging unit	1
Decraing voltage AC	Electrical data	
Operating voltage AC min. 19.2 V Operating voltage AC min. 19.2 V Operating voltage DC 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. 4 A Cut-off peak voltage max. 4 A Cut-off peak voltage max. Device protection LED Device protection [EN IEC 60529) Peak voltage max. Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 V Mechanical data Material data Color housing black Mechanical data Material data Mechanical data Mounting data Mechanical data Mounting data Environmental characteristics Climatic	Capacity CX	20 ms
Operating voltage AC min. 19.2 V Operating voltage AC max. 28.8 V Operating voltage DC max. 18 V Operating voltage DC max. 30 V Cut-of peak voltage max. 55 V Cut-of peak voltage max. 4 A Department of peak voltage max. 4 A Degree of protection (EN IEC 60529) IP67 Additional condition protection degree 3 a Pollution Degree 3 a Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical data Material data Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed <	Electrical data Supply	
Operating voltage AC max. Operating voltage DC Operating voltage DC Operating voltage DC Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Out-off peak voltage max. 55 V Outrent operating per contact max. 4 A Diagnostics Status indication LED Perice protection Electrical Degree of protection Electrical Degree of protection Electrical Degree of protection Electrical Degree of protection begree 3 Rated surge voltage Additional condition protection degree 3 Rated surge voltage Material group (IEC 60624-1) Mechanical data Material data Color housing Plastic Mechanical data Mounting data Mounting method Environmental characteristics Climatic Environmental characteristics Climatic Deprating temperature min. 2-5 °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	Operating voltage AC	24 V
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 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 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 con	Operating voltage AC min.	19,2 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 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 3,8 kV Material group (IEC 80684-1) I Mechanical data Material data Color housing black Material housing Plastic Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Environmental characteristics Climatic Environmental characteristics Climatic 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. Entablish (Cable) Cable identification 236	Operating voltage AC max.	28,8 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 ARated surge voltage Alexa (September 1) I Mechanical data Material data Color housing black Material nousing Plastic Mechanical data Munting data Mounting method inserted, screwed Environmental characteristics Climatic 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 mechanical loads, e.g. by the usage of cable ties. Installation Cable Cable identification 236	Operating voltage DC	24 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 60684-1) I Mechanical data Material data Color housing black Material housing pathod 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.	Operating voltage DC min.	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 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. Installation Cable Cable identification 236	Operating voltage DC max.	30 V
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 3,8 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. Installation Cable Cable identification 236	Cut-off peak voltage max.	55 V
Status indication LED pervice protection Electrical Degree of protection (EN IEC 60529)	Current operating per contact max.	4 A
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 6064-1) 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. Installation Cable Cable identification 236	Diagnostics	
Degree of protection (EN IEC 60529) 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. Cable identification 236	Status indication LED	yellow
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. Installation Cable Cable identification 236	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. Installation Cable Cable identification 236	Degree of protection (EN IEC 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Cable identification 236		inserted, screwed
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. Cable identification 236	Pollution Degree	3
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. Cable identification 236	Rated surge voltage	0,8 kV
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 236	Material group (IEC 60664-1)	1
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. Cable identification 236	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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Cable identification 236	Color housing	black
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. Cable identification 236	Material housing	
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. 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 236		
Environmental characteristics Climatic Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief 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 236	•	inserted, screwed
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 236		
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. 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 236	·	
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 236		
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 236		
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 236		
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 236	•	Destart the connectors by suitable managers from machinists leads as the the connector of sales.
Installation Cable Cable identification 236		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Cable identification 236	-	endangered by excessive bending forces.
	Installation Cable	
Cable Type 3	Cable identification	236
	Cable Type	3

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



Printing color of wire insulation	white (isolation black)
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	56,1 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min