

MSUD valve plug BI-11mm with cable

PVC 3x0.75 bk 5m

Art.No.: 7000-11041-6160500 Weight: 0.314 Country of origin: CZ Model designation: MSUDK-IB3Z-616_5.0

MSUD

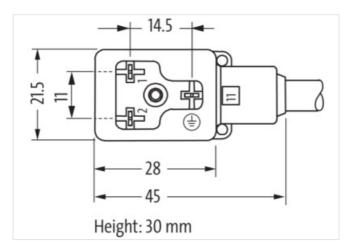
Form BI (11 mm) 110 V AC/DC ±10% LED and suppression without cable sleeves Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

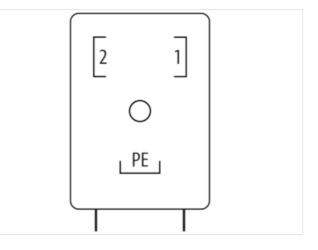
Link to Product

Illustration



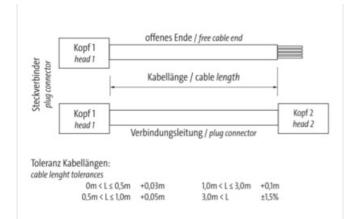


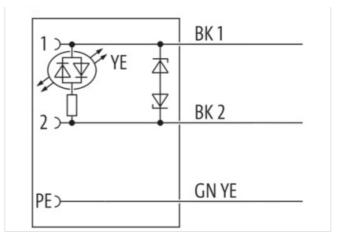




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-27







Product may differ from Image



Header	
Material short text	MSUDK-IB3Z-616_5.0
Cable length	5.0 m
Side 1	
Family construction form	MSUD BI
No. of poles	3
Mounting method	inserted, screwed
Thread	M3
Tightening torque	0.4 Nm
Material	PBT
Material contact	Copper alloy
Coating contact	silver-plated
Degree of protection (EN IEC 60529)	IP67
Side 2	
Coating contact	silver-plated
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-11041-6160500
GTIN	4048879221078
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060312
ECLASS-9.1	27060312
ECLASS-10.0.1	27060312
ECLASS-10.1	27060312
ECLASS-11.0	27060312
ECLASS-11.1	27060312
ECLASS-11.1 ECLASS-12.0	27060312 27060312

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: 2025-08-27



ETMA 6.0 ECON 555 ETMA 2.0 ECON 555 ETMA 2.0 ECON 555 Castors tarff number 8544230 EAN 40487221078 Packagn yurl 1 Electrical data Dop-out 689 ym max. Dop-out 691 ym max. 20 ms Electrical data Supply Derating voltage AC Operating voltage AC min. 99 V Operating voltage AC min. 99 V Operating voltage AC min. 99 V Operating voltage DC min. 99 V Operating voltage DC max. 121 V Current operating voltage DC max. 121 V Current operating voltage PC 90 V Operating voltage PC 91 V Operating voltage PC 91 V Outrent operating per contact max. 4 A Current operating per contact max. 4 A Current operating voltage PC 91 V Diagnostic 8 mA Diagnostic 8 mA Electrical data Mostore Diagnostic 8 mA Diagnostic<	ETIM-5.0	EC001855
ETN 4.0 EC001855 cacions tariff number 65444290 EAN 4048879221073 Packaging unit 1 Electrical data Dop-out diely intre max. Dop-out diely intre max. 20 ms Electrical data Supply Dop-out diely intre max. Operating voltage AC max. 19 V Operating voltage AC max. 19 V Operating voltage DC min. 99 V Current operating per contact max. 4 A Current operating per contact max. 8 mA Diagnostics E States indication LED yollow Instalion Connection Inserted, seroweid Pollution Degree 3 Additional suppressor Dodd, 2 Dode Pater protection Electrical Inserted, seroweid Additional suppressor Dodd, 2 Dode Rated arge voltage flogs 3 Additional suppressor Dodd, 2 Dode	ETIM-6.0	EC001855
Customs tariff number 85444290 EAN 404887922173 Packaging mit 1 Electrical data Drop out delay time max. Dorp dud delay time max. 20 ms Electrical data Suppit Operating voltage AC 110 V Operating voltage AC max. 121 V Operating voltage AC max. 121 V Operating voltage DC 110 V Operating voltage DC max. 121 V Operating voltage DC max. 121 V Current operating voltage DC max. 121 V Current operating voltage DC max. 270 V Current orsamption max. 8 mA Diagnostici Status indication LED Status indication LED yellow Installation [Concetion Mounting set Additional condition protection degree insertd, screwed Politon Degree 3 Additional supprasor Diodo, Z. Diodo Pater surge voltage Divol Mechanical data Wout Mechanical data Mounting Maderinal group (EC	ETIM-7.0	EC001855
EAN 4048879221078 Packaging unit 1 Drop-out delay time max. 20 ms Electrical data Supply	ETIM-8.0	EC001855
Packaging unit 1 Electrical data Jong out delay time max. 20 ms Electrical data [Supply Electrical data [Supply] Departing voltage AC min. 99 V Operating voltage AC max. 10 V Departing voltage AC max. 121 V Operating voltage AC max. 121 V Departing voltage DC min. 99 V Operating voltage DC min. 99 V Operating voltage DC max. 121 V Current operating per contact max. 4 A Cul-of peak voltage max. 20 V Current consumption max. 8 mA Departing voltage max. 20 V Current consumption max. 8 mA Departing voltage max. 20 V Current consumption max. 8 mA Departing voltage max. 20 V Current consumption max. 8 mA Departing voltage max. 20 V Current consumption max. 8 mA Departing voltage max. 20 V Eductinal date provestion Electrical Maxem Electrical date for the provestion Electrical Additional configition protection degree 1 Selet Contact for correngate for the provestion Electrical Additio	customs tariff number	85444290
Electrical data 20 ms Electrical data Supply 20 ms Operating voltage AG 110 V Operating voltage AG 121 V Operating voltage DG 110 V Operating voltage DG 10 V Operating voltage DG 10 V Operating voltage DG 121 V Operating voltage DG 270 V Current consumption max. 8 Ma Diagocitic Voltage max. Status indication LED yellow Installizin Connection Material condition protection degree Additional suppressor Diodo, Z-Diodo Rated surge voltage <t< td=""><td>EAN</td><td>4048879221078</td></t<>	EAN	4048879221078
Dop-out delay time max. 20 ms Electrical data Suppiy Into V Operating voltage AC min. 99 V Operating voltage AC min. 99 V Operating voltage DC min. 121 V Operating voltage DC min. 99 V Operating voltage DC min. 90 V Current consumption max. 8 mA Diagnostics Statis indication LED Statis indication LED yellow Installation Connection Matting set Mouting set M3 Device protection Electrical Hatel Auroprotection Electrical Additional asystems on Diode, 2-Diode Rated surge voltage 25 KV Material group (EC 60684-1) I Hechnical data Material data Stoel <	Packaging unit	1
Electrical data Supply Operating voltage AC 110 V Operating voltage AC max. 121 V Operating voltage AC max. 121 V Operating voltage AC max. 121 V Operating voltage BC 110 V Operating voltage BC max. 121 V Operating voltage BC max. 121 V Current operating par contact max. 4 A Outperster voltage max. 270 V Current consumption max. 8 mA Dispositis Status indication LED Status indication ICD yellow Installation IConnection Max Portice protection I Electrical Max Additional scondition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diode, Z Diode Rated surge voltage Usk V Material data Max Decharical data Imax Cotor for corrugated hose without Mechanical data [Material data Steel Cotaring of fitting galvanized Coding locking	Electrical data	
Operating voltage AC 110 V Operating voltage AC min. 99 V Operating voltage AC min. 121 V Operating voltage DC 110 V Operating voltage DC min. 99 V Operating voltage DC min. 99 V Operating voltage DC max. 121 V Current operating per contact max. 4 A Current operating per contact max. 4 A Current operating per contact max. 8 mA Diagnostics Status indication LED yellow Installation IConnection Max Status indication LED yellow Installation IConnection Max Status indication Let yellow Status indication Let yellow Policit Drotection Oligone 3 Additional suppressor Diode. 2 Diode Rated surge voltage 25 K/V Material group (EC 50684-1) I Mechanical data Wetout Material screw connection Steel Color housing black Material screw connection Steel Color housing black Material screw connection Steel Costing locking </td <td>Drop-out delay time max.</td> <td>20 ms</td>	Drop-out delay time max.	20 ms
Operating voltage AC min. 99 V Operating voltage AC max. 121 V Operating voltage DC 110 V Operating voltage DC min. 99 V Operating voltage DC max. 121 V Current operating per contact max. 4 A Current operating per contact max. 8 mA Diagnostics Status indication LED yellow Installation I Conscription max. 8 mA Diagnostics Wellow Installation I Conscription max. Additional condition protection degree Inserted, screwed Polition Degree 3 Additional condition protection degree Inserted, screwed Polition Degree 3 Additional condition protection degree Inserted, screwed Polition Degree 3 Additional condition protection degree Inserted, screwed Polition Degree 3 Additional condition protection degree Inserted, screwed Contor for corrugate hose without Mechanical data Inserted, screwed Coaling of fitting galvanized Coali	Electrical data Supply	
Operating voltage AC max. 121 V Operating voltage DC 110 V Operating voltage DC max. 121 V Operating voltage DC max. 121 V Current operating per contact max. 4.A Current consumption max. 80 mA Diagnostice Status indication LED Status indication LED yellow Installation Connection Mounting set Mounting set M3 Device protection Electrical Additional condition protection degree Additional condition protection degree inserted, screwed Polution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data Contor for corrugated hose Contor for corrugated nose without Mechanical data Contor for corrugated nose Coating of Tiling galvanized Locking material Steel Coating of Tiling galvanized Locking material Steel Coating Installation notes <td>Operating voltage AC</td> <td>110 V</td>	Operating voltage AC	110 V
Operating voltage DC 110 V Operating voltage DC min. 99 V Operating voltage DC max. 121 V Current operating per contact max. 4 A Current operating per contact max. 270 V Current operating per contact max. 8 mA Diagnostice Status indication LED Status indication LED yellow Installation Connection M3 Device protection Electrical Additional condition protection degree Additional condition protection degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 KV Material group (EG 60664-1) 1 Mechanical data Contour for corrugated hose Without Steel Coating of fitting galvanized Locking material Steel Coating of fitting galvanized Coating of fitting galvanized Coating of fitting galvanized Coating of fitting galvanized Coating temperature min. -25 °C Operating temperature min.	Operating voltage AC min.	99 V
Operating voltage DC min. 99 V Operating voltage DC max. 121 V Current operating per contact max. 4 A Cut-off peak voltage max. 270 V Current operating per contact max. 8 mA Diagnostice Status indication LED Status indication LED yellow Installation Connection Max Mounting set M3 Device protection Electrical Additional condition protection degree Polution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 KV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose Vithout Edechanical data Color for corrugated hose without Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating of fitting galvanized Locking method inserted, screwed Environmental characteristics Climatic Generation Operating temperature min.	Operating voltage AC max.	121 V
Operating voltage DC max. 121 V Current operating per contact max. 4 A Cut-off peak voltage max. 270 V Current consumption max. 8 mA Diagnostics Status indication LED Status indication LED yellow Installation Connection Mounting set Mounting set M3 Device protection Electrical Additional condition protection degree Additional condition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diode, Z Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data Conton for corrugated hose Vitout for corrugated hose without Mechanical data Material atota Coating locking Coating locking galvanized Locking material Steel Coating locking galvanized Mechanical data Mounting data Steel Coating locking galvanized Mounting method inserted, screwed Environmen	Operating voltage DC	110 V
Current operating per contact max. 4 A Cut-oft peak voltage max. 270 V Current consumption max. 8 mA Diagnostice Status indication LED Installation Connection wellow Installation Connection M3 Device protection Electrical Additional condition protection degree Additional condition protection degree 3 Additional suppressor Diode, Z Diode Rated surge voltage 25 kV Material group (IEC 66664-1) 1 Mechanical data Mechanical data Contour for corrugated hose without Mechanical data Mechanical data Color housing black Material screw connection Steel Coating of fitting galvanized Looking metriel Steel Coating locking galvanized Morting method inserted, sorewed Environmental c	Operating voltage DC min.	99 V
Cut-off peak voltage max. 270 V Current consumption max. 8 mA Diagnostics Status indication LED Status indication LED yellow Installation Connection Mounting set Mounting set M3 Device protection Electrical Additional condition protection degree Additional condition protection degree inserted, screwed Polution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) 1 Mechanical data Contour for corrugated hose Color housing black Material screw connection Steel Coating of fitting galvanized Looking material Steel Coating locking galvanized Mechanical data Mounting data inserted, screwed Environmental characteristics Climatic Coating condition Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attenti	Operating voltage DC max.	121 V
Current consumption max. 8 mA Diagnostics Status indication LED yellow Installation Connection M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Color for busing black Coating of fitting galvanized Color for corrugated hose Coating of fitting galvanized Coating of fitting Galvanized Locking material Steel Coating of fitting Galvanized Coating of booking galvanized Coating of fitting Galvanized Coating of thing galvanized Coating of fitting Galvanized Coating of thing galvanized Coating of fitting Galvanized Coating of thing galvanized Coating of fitting Galvanized Coating incoking galvanized Coating incoki	Current operating per contact max.	4 A
Diagnostics Status indication LED yellow Installation Connection Mounting set M3 Device protection Electrical Inserted, screwed Additional condition protection degree isserted, screwed Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose Contour for corrugated hose without Mechanical data Steel Coating of fitting galvanized Looking method Steel Coating for fitting galvanized Looking method inserted, screwed Pointing method inserted, screwed Coating forking galvanized Mounting method inserted, screwed Environmental characteristics Cimatio Coating for thing method Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality	Cut-off peak voltage max.	270 V
Status indication LED yellow Installation Connection Mod Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data I Contor for corrugated hose without Mechanical data I Color housing black Material group (IEC 60664-1) I Mechanical data I Color housing black Material group (IEC 60664-1) I Mechanical data I Color housing black Material group (IEC 60664-1) I Mechanical data Steel Color housing black Material group (IEC 60664-1) Steel Coating of fitting galvanized Locking material Steel Coating of fitting galvanized Locking material Steel Coating londing inserted, screwed Environmental characteristics Climatic Coenting temperature min. -25 °C Operating tem	Current consumption max.	8 mA
Installation Connection Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) 1 Mechanical data Contour for corrugated hose without Mechanical data Steel Contour for corrugated hose without Meterial screw connection Steel Color housing black Material screw connection Steel Coating for group galvanized Coating forking galvanized Locking material Steel Coating locking galvanized Coating locking Galvanized Mounting method inserted, screwed Coating locking Galvanized Coating locking Galvanized Coating locking Galvanized Goerating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be ending raclus Attention:: Observe the	Diagnostics	
Mounting set M3 Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Methanical data I Contour for corrugated hose without Mechanical data I Color housing black Material screw connection Steel Coating for going and galvanized I Locking anterial Steel Coating for difting galvanized Locking material Steel Coating locking galvanized 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 Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Status indication LED	yellow
Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data Important installation notes Contour for corrugated hose without Mechanical data Material data Important installation notes Color housing black Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Installation Connection	
Additional condition protection degree inserted, screwed Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data I Contour for corrugated hose without Mechanical data Image: Corrugated hose Color housing black Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Mounting set	M3
Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose Without Mechanical data Color housing black Material screw connection Steel Coating of fitting galvanized Looking material Steel Coating locking galvanized Mounting method inserted, screwed Environmental characteristics Climatic Co Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition totes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Device protection Electrical	
Pollution Degree 3 Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose Without Mechanical data Color housing black Material screw connection Steel Coating of fitting galvanized Looking material Steel Coating locking galvanized Mounting method inserted, screwed Environmental characteristics Climatic Co Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition totes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Additional condition protection degree	inserted, screwed
Additional suppressor Diode, Z-Diode Rated surge voltage 25 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose Without Mechanical data Contour for corrugated hose without Mechanical data Material data Color housing Color housing black Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized Mounting method inserted, screwed Environmental characteristics Climatic Coperating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.		3
Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material data Color housing black Color housing black Material screw connection Steel Coating of fitting galvanized Coating of fitting galvanized Locking material Steel Coating of fitting galvanized Mounting meterial Steel Coating of fitting galvanized Mounting meterial Steel Coating of coating of paivanized Coating locking galvanized Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.		Diode, Z-Diode
Mechanical data Contour for corrugated hose without Mechanical data Material data Image: Color housing Color housing black Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized Mounting data Steel Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on bending radius Attention: Observe the permissible measures from mechanical loads, e.g. by the usage of cable ties.	Rated surge voltage	25 kV
Contour for corrugated hose without Mechanical data Material data Event Color housing black Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. Abge °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Material group (IEC 60664-1)	1
Mechanical data Material data Color housing black Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized Locking material Steel Coating locking galvanized Mechanical data Mounting data Mounting method Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on bending radius Attention: Observe the permissible bending radii when laying cables, e.g. by the usage of cable ties.	Mechanical data	
Color housing black Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized 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 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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Contour for corrugated hose	without
Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized Mechanical data Mounting data Mounting method Mounting method inserted, screwed Environmental characteristics Climatic Coating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Mechanical data Material data	
Material screw connection Steel Coating of fitting galvanized Locking material Steel Coating locking galvanized Mechanical data Mounting data Mounting method Mounting method inserted, screwed Environmental characteristics Climatic Coating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Color housing	black
Locking material Steel Coating locking galvanized 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 Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.		Steel
Coating locking galvanized 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 Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Coating of fitting	galvanized
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 Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Locking material	Steel
Mounting methodinserted, screwedEnvironmental characteristics ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesNote on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Coating locking	galvanized
Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Mechanical data Mounting data	
Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Mounting method	inserted, screwed
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Operating temperature min.	-25 °C
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. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Operating temperature max.	85 °C
Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Additional condition temperature range	depending on cable quality
Note on bending radius endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Important installation notes	
	Note on bending radius	
Installation Cable	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 616	Cable identification	616
Cable Type 1		

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: 2025-08-27



Amount stranding	1
Stranding	3 wires stranded
Wire arrangement	black 1, black 2, green-yellow
Cable weigth	61.6 g/m
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1.8 mm
Outer diameter tolerance core insulation	± 0.1 mm
Shore hardness wire insulation	43 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	24
Diameter of single wires	0.2 mm
Conductor crosssection (wire)	0.75 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Outer-diameter (jacket)	5.9 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PVC
Shore hardness jacket	80 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
Material property (jacket)	good machinability
Conductor resistance (wire)	26 Ω/km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	500 V
Withstand voltage (wire - wire)	3 kV @ 60 s
Withstand voltage (wire - jacket)	3 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter

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: 2025-08-27