

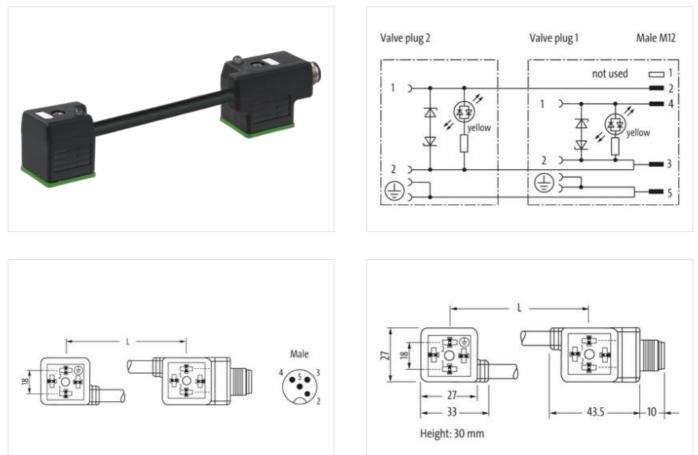
## M12 male on back A-cod. / MSUD double valve A-18mm

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

Form A (18 mm) - M12, connector at the rear 24 V AC ±20% / DC ±25% 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





Product may differ from Image

Side 1 Tightening torque	0,4 Nm	
Thread	M3	
Side 2		
mation in this Product-PDF has been cor	piled with the utmost care. cality of the information is restricted to gross negligence. Version: 2024-05-18	

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Commercial dataECLASS 6.0271423ECLASS 7.02727218ECLASS 7.702727218ECLASS 7.802727218ECLASS 6.02727218ECLASS 6.02727218ECLASS 6.102706012ECLASS 6.10.12706012ECLASS 7.027080512ECLASS 7.1027080512ECLASS 7.1027080512ECLASS 7.1027080512ECLASS 7.1027080512ECLASS 7.1027080512ECLASS 7.1027080512ECLASS 7.1027080512ECLASS 7.1026044290CONT4048273144223Packaging unit1Etertical data26044290CONT4048273144223Packaging unit1Etertical data280 VOperating visitage AC min.18.2 VOperating visitage AC min.18.2 VOperating visitage AC min.18.2 VOperating visitage AC min.18.4 VOperating visita	Tightening torque	0,4 Nm
ECLASS 6.027149423ECLASS 6.127279218ECLASS 6.127279218ECLASS 7.027279218ECLASS 7.02729218ECLASS 7.027050312ECLASS 7.027070313ECLASS 7.027070313ELASS 7.028070Operating voltage AC24 VOperating voltage CO Franc28.0 VOperating voltage CO Franc28.0 VOperating voltage CO Franc30 VELAST 200501226 VOperating voltage CO Franc30 VELAST 200501226 VELAST	Thread	M3
ELASS 6.1     2279218       ECLASS 6.0     2279218       ECLASS 6.0     2729218       ECLASS 6.0     27290312       ECLASS 6.0     27090312       ECLASS 7.0     270       ECHASS 7.0     201       ELAS 7.0     201       ELAS 7.0     201       ELAS 7.	Commercial data	
ELASS 6.1     2279218       ECLASS 6.0     2279218       ECLASS 6.0     2729218       ECLASS 6.0     27290312       ECLASS 6.0     27090312       ECLASS 7.0     270       ECHASS 7.0     201       ELAS 7.0     201       ELAS 7.0     201       ELAS 7.	ECLASS-6.0	27143423
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ECLASS 8.0     2727219       ECLASS 8.0     27060312       ECLASS 1.0     27060312       ECLASS 1.1     27060312       ECLASS 1.1     27060312       ECLASS 1.0     27060312       ECLASS 1.0     27060312       ETM 5.0     ECO01855       Cuatoms tuff number     85444280       GTIN     4048879144223       Paskaging unit     1       Electrical data     Electrical data       Gapachy CX     20 ms       Electrical data [ Supply     Commany collage AC       Operating voltage AC     24 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.     1		
ECLASS 9.0     27060312       ECLASS 10.1     27060312       ECLASS 11.1     27060312       Electical data     550       Coreating vallage DC     24 V       Operating vallage DC max.     35 V       Current operating renortextet max.     4 A	ECLASS-8.0	
EQLASS-10.1     27060312       ECLASS-12.0     27060312       ECLASS-12.0     27060312       ETM-5.0     ECO01855       outcoms tarff number     65444290       GTIN     4048878144223       Packaging unit     1       Electrical data     200 ms       Electrical data     200 ms       Electrical data     9000000000000000000000000000000000000	ECLASS-9.0	27060312
ECLASS-12.0     27060312       ETIM.5.0     EC001655       Customs tarfi number     8544290       GTIN     4048879144223       Packaging unit     1       Electrical data     Electrical data       Capacity CX     20 ms       Electrical data     Super transmission       Operating voltage AC     24 V       Operating voltage AC max.     28.8 V       Operating voltage AC max.     28.8 V       Operating voltage AC max.     28.8 V       Operating voltage DC max.     30 V       Curient operating voltage DC max.     30 V       Current operating voltage DC max.     30 V       Current operating voltage MC min.     18 V       Operating voltage MC max.     4 A       Device protection I Electrical     Electrical       Device protection I Electrical     Electrical data       Material hubaria     Inserted, screwed       Material data I Mounting data     Inserted, screwed       Environmental characteristics I (Election Commonic on the election case can be adding or cable quality       Deprating reproture max.     85 °C       Operating reproture man	ECLASS-10.1	27060312
ETIM 5.0 EC001855   customs staff number 8544239   GTN 40487914223   Packaging unit 1   Electrical data Electrical 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 24 V   Operating voltage DC 4 A   Device protection I Electrical 4 A   Device protection I Electrical ibert   Matchail condition protection degree inserted, screwed   Matchail Indouting data iback <td>ECLASS-11.1</td> <td>27060312</td>	ECLASS-11.1	27060312
customs tailf number     85444290       GTIN     4046679144223       Perkaging unit     1       Electrical data     Common Section Sectin Sectin Sectin Section Section Section Sectin Sectin Section Sec	ECLASS-12.0	27060312
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Packaging unit   1     Electrical data   20 ms     Electrical data   Supply   20 ms     Derating voltage AC   24 V     Operating voltage AC min.   19.2 V     Operating voltage AC min.   18.V     Operating voltage DC max.   30 V     Coll-of peak voltage max.   55 V     Current operating per contact max.   4 A     Device protection   Electrical   Imperative served     Medidinical contality protection degree   inserted, screwed     Material housing   Plasic     Material data   Material data   Imperative min.     Operating temperature min.   -25 °C     Operating temperature may.   85 °C     Additional condition temperature range   depending on cable quality     Imperature max.   85 °C     Note on stain relief   Protect the connectors by suitable measures from mechanical lo	customs tariff number	85444290
Electrical data     Use of the second secon	GTIN	4048879144223
Capacity CX     20 ms       Electrical data   Supply     24 V       Operating voltage AC     24 V       Operating voltage AC max.     28.8 V       Operating voltage AC max.     28.8 V       Operating voltage DC max.     28.8 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Cut-oft peak voltage max.     55 V       Cut-oft peak voltage max.     55 V       Device protection   Electrical     Device protection   Electrical       Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Mechanical data   Material data     Color housing       Material housing     Plastic       Mouting method     inserted, screwed       Environmental characteristics   Climatic     Color housing       Operating inserted, screwed     Str C       Operating rules are for screwed     Mouting method       Environmental characteristics   Climatic     Generation screwed       Instruct     Str C       Operating rules are for mone.     -25 °C       Operating rules are fore mone.	Packaging unit	1
Electrical data   Supply       Operating voltage AC     24 V       Operating voltage AC main.     19.2 V       Operating voltage AC main.     28.8 V       Operating voltage AC main.     28.8 V       Operating voltage AC main.     28.9 V       Operating voltage DC     24 V       Operating voltage DC main.     18 V       Operating voltage DC main.     18 V       Operating voltage DC main.     30 V       Cut-oft peak voltage max.     55 V       Cut-oft peak voltage max.     55 V       Cut-oft peak voltage max.     4 A       Device protection   Electrical     Device protection (EN IEC 60529)       Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Mechanical data   Material data     Scoce       Color housing     black       Mechanical data   Mounting data     Environmental characteristics   Climatic       Operating uneparature max.     65 °C	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       Cut-oft peak voltage DC max.     30 V       Cut-oft peak voltage DC max.     56 V       Cut-oft peak voltage max.     56 V       Cut-oft peak voltage max.     4 A       Device protection [Electrical     Important Mathematical Mathemati	Capacity CX	20 ms
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       Cut-oft peak voltage DC max.     30 V       Cut-oft peak voltage DC max.     56 V       Cut-oft peak voltage max.     56 V       Cut-oft peak voltage max.     4 A       Device protection [Electrical     Important Mathematical Mathemati	· ·	
Operating Voltage AC min.     19.2 V       Operating voltage AC max.     28.8 V       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Current operating per contact max.     4 A       Device protection   Electrical     Degree of protection (EN IEC 60529)       Degree of protection degree     inserted, screwed       Mechanical data   Material data     Color housing       Material housing     black       Mechanical data   Mounting data     Inserted, screwed       Mechanical data   Mounting data     Inserted, screwed       Mechanical data   Mounting data     Inserted, screwed       Environmental characteristics   Climatic     Operating temperature min.       Q5 °C     Operating temperature max.       AB °C     S °C       Operating temperature max.     B °C       Additional condition temperature may.     B °C       Operating temperature max.     B °C       Additional condition temperature may.     B °C       Operating temperature max.     B °C       Additio		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   Cut-off peak voltage max. 4 A   Device protection   Electrical Device protection (EN IEC 60529)   Degree of protection condition protection degree inserted, screwed   Mechanical data   Material data Color housing   Operating temporature max. 85 °C   Material housing Plastic   Mechanical data   Mounting data Mounting method   Mounting method inserted, screwed   Environmental characteristics   Climatic Color housing   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Installation [Cable Cable identification   Cable identification 636   Cable identification 636   Cable identification 636   Cable identificate		
Operating voltage DC     24 V       Operating voltage DC min.     18 V       Operating voltage DC max.     30 V       Current operating per contact max.     55 V       Current operating per contact max.     4 A       Device protection   Electrical     Image: Contact max.       Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Mechanical data   Material data     Image: Contact max.       Color housing     black       Material housing     Plastic       Mechanical data   Mounting data     Image: Contact max.       Mounting method     inserted, screwed       Environmental characteristics   Climatic     Coperating temperature min.       Operating temperature min.     -25 °C       Operating tempera		
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       Descree protection   Electrical     Important inserted, screwed       Mechanical data   Material data     Important inserted, screwed       Mechanical data   Material data     Important inserted, screwed       Mechanical data   Mounting data     Important inserted, screwed       Mechanical data   Mounting data     Important inserted, screwed       Mounting method     Inserted, screwed       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Age * 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       Cable identification     636       Cable identification     636       Cable identification     636       Cable identificate     Currene suitation       Vrite (isolation		
Operating voltage DC max.     30 V       Cut-off peak voltage max.     55 V       Current operating per contact max.     4 A       Device protection   Electrical     Image: Contact max.       Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Mechanical data   Material data     Image: Contact max.       Color housing     black       Material housing     Plastic       Mounting method     inserted, screwed       Environmental characteristics   Climatic     Coperating temperature min.       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature range     depending on cable quality       Important installation notes     S5 °C       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       Cable identification     636       Cable identification     636       Cable identific		18 V
Cut-off peak voltage max.   55 V     Current operating per contact max.   4 A     Device protection   Electrical     Degree of protection (EN IEC 60529)   IP67     Additional condition protection degree   inserted, screwed     Mechanical data   Material data   Color housing   black     Material housing   Plastic   Methodition protection degree     Methodical data   Mounting data   Mounting method   inserted, screwed     Environmental characteristics   Climatic   Operating temperature min.   -25 °C     Operating temperature max.   85 °C   Additional condition 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 fortpe   3     Cable Type   3   Printing color of wire insulation     Vinet (solation black)   Jacket Color   Jack     Type of Certificate   cURus   Amount stranding		30 V
Current operating per contact max.   4 A     Device protection   Electrical     Degree of protection (EN IEC 60529)   IP67     Additional condition protection degree   inserted, screwed     Mechanical data   Material data   Color housing   black     Color housing   Plastic   Mechanical data   Mounting data     Mechanical data   Mounting data   Mounting method   inserted, screwed     Environmental characteristics   Climatic   Color housing   depending on cable quality     Operating temperature min.   -25 °C   Color housing   depending on cable quality     Important installation notes   S7 °C   Color housing   depending on cable quality     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 inforces.   S6     Cable infortification   636   S6     Cable Type   3   Printing color of wire insulation   white (isolation black)     Acket Color   black   S6   S6     Cable Type   3   S6   S6		55 V
Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Mechanical data   Material data     Screwed       Color housing     black       Material housing     Plastic       Mechanical data   Mounting data     mounting method       Mounting method     inserted, screwed       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     -25 °C       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 endangreed by excessive bending forces.       Installation   Cable     -25 °C       Cable identification     636       Cable identification     636       Cable Color     back       Printing color of wire insulation     white (isolation black)       Jacket Color     black       Type of Certificate </td <td>Current operating per contact max.</td> <td>4 A</td>	Current operating per contact max.	4 A
Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Mechanical data   Material data     Screwed       Color housing     black       Material housing     Plastic       Mechanical data   Mounting data     mounting method       Mounting method     inserted, screwed       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     -25 °C       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 endangreed by excessive bending forces.       Installation   Cable     -25 °C       Cable identification     636       Cable identification     636       Cable Color     back       Printing color of wire insulation     white (isolation black)       Jacket Color     black       Type of Certificate </td <td>Device protection   Electrical</td> <td></td>	Device protection   Electrical	
Additional condition protection degree   inserted, screwed     Mechanical data   Material data     Color housing   black     Material housing   Plastic     Mechanical data   Mounting data   inserted, screwed     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     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     Cable Identification   636     Cable Identification   636     Cable Identification   black     Type of Certificate   cURus     Amount stranding   1		IP67
Mechanical data   Material data       Color housing     black       Material housing     Plastic       Mechanical data   Mounting data     inserted, screwed       Environmental characteristics   Climatic     inserted, screwed       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Volume       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     Cable identification       Cable identification     636       Cable Identification     636       Cable Color     black       Type of Certificate     cURus       Arrow of Certificate     cURus       Arrow of strain reling     1		
Color housing     black       Material housing     Plastic       Mechanical data   Mounting data     inserted, screwed       Mounting method     inserted, screwed       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Installation   Cable		
Material housing   Plastic     Mechanical data   Mounting data   inserted, screwed     Mounting method   inserted, screwed     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes		black
Mechanical data   Mounting data       Mounting method     inserted, screwed       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes		
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   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Cable identification     Cable identification   636     Cable Type   3     Printing color of wire insulation   white (isolation black)     Jacket Color   black     Type of Certificate   cURus     Attending   1		
Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   depending on cable quality     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Cable identification     Cable identification   636     Cable Type   3     Printing color of wire insulation   white (isolation black)     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1	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   Important installation notes     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Cable identification     Cable identification   636     Cable I Type   3     Printing color of wire insulation   white (isolation black)     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1	Mounting method	inserted, screwed
Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Cable identification     Cable identification   636     Cable I Type   3     Printing color of wire insulation   white (isolation black)     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1	Environmental characteristics   Climatic	
Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Cable identification     Cable identification   636     Cable Type   3     Printing color of wire insulation   white (isolation black)     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1	Operating temperature min.	-25 °C
Important installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Installation   CableCable identificationCable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1	Operating temperature max.	85 °C
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Installation   Cable636Cable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1	Additional condition temperature range	depending on cable quality
Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Installation   CableCable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1	Important installation notes	
Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Installation   CableCable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Installation   Cable endangered by excessive bending forces.   Cable identification 636   Cable Type 3   Printing color of wire insulation white (isolation black)   Jacket Color black   Type of Certificate cURus   Amount stranding 1		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Cable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1		
Cable Type 3   Printing color of wire insulation white (isolation black)   Jacket Color black   Type of Certificate cURus   Amount stranding 1	Installation   Cable	
Printing color of wire insulation white (isolation black)   Jacket Color black   Type of Certificate cURus   Amount stranding 1	Cable identification	636
Jacket Color black   Type of Certificate cURus   Amount stranding 1	Cable Type	3
Type of Certificate cURus   Amount stranding 1	Printing color of wire insulation	white (isolation black)
Amount stranding 1	Jacket Color	black
	Type of Certificate	cURus
Stranding 3 wires twisted	Amount stranding	1
	Stranding	3 wires twisted

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: 2024-05-18

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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 mm²
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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
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

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: 2024-05-18

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