

## MVP12, 8XM12, 4POLE, PLUGGABLE CABLE

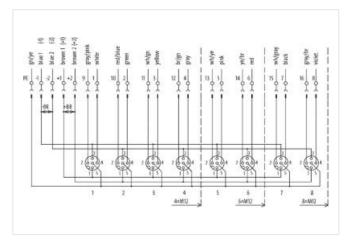
10.0m PUR/PVC 16x0,34+5x0,75, w/o LED's

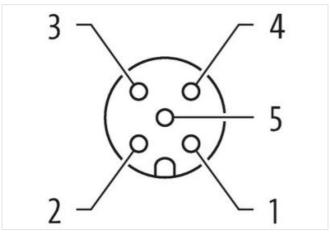
8-way, 5-pole PUR/PVC 10.0 m Potential separation as option Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

## **Link to Product**

## Illustration







Product may differ from Image



Commercial data	
ECLASS-6.0	27279219
ECLASS-6.1	27279219
ECLASS-7.0	27279219

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: 2024-05-05



stay connected

ECLASS-8.0	27279219
ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879061629
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Current operating per contact max.	4 A
Total current at 1 time current feed-in max.	8 A
Total current at 2 times current feed-in max.	16 A
Industrial communication	
Number of signals per port	2
	2
Installation   Connection	M40 . 4
Mounting set	M12 x 1
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	screwed, mounted
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	
Material housing	Plastic
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
Height	149,2 mm
Width	50,2 mm
Depth	17,2 mm
Environmental characteristics   Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
Installation   Cable	
•	Habita Circul Brown
STOOW style jacket	Hybrid, Signal, Power
Cable identification  Cable Type	374 2
Jacket Color	
Type of Certificate	gray  cURus
Amount stranding	1
Stranding	4 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	9 wires around Stranding combination twisted
wire arrangement	gray-pink, white, red-blue, green, (green-yellow, brown 1, blue 1, brown 2, blue 2, green-white, yellow, brown-green, gray)
Cable weigth	140,94 g/m
Material jacket	PUR
Shore hardness jacket	87 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	9,2 mm
Outer diameter (jacket)	-,



## stay connected

Description   Section   Description   Des	Material inner jacket	PVC
Material properties wite insulation   PVC	<u> </u>	
Amount wires    Outer dameter insulation   1,3 mm		<del>-</del> ·
Outer diameter insulation         1,3 mm           Outer diameter behance core insulation         43 ± 5 Shore D           Material proportice wire insulation         good machinability           Inception I fromess wire insulation         lead from Cardium (rec. CFC-free, silicone free)           Annuant stands (wire)         19           Diameter of single wires         0,15 mm           Conductor pressection (wire)         0,24 mm²           Material conductor wire         Stranded copper wire, bare           Conductor by (wire)         Stranded spee wire, bare           Traversing distance (C-mock)         5 m @ 25 °C   horizontal           Traversing distance (C-mock)         5           Material wire insulation (Power)         1,8 mm           Total control of the properties wire insulation (Power)         1,8 mm           Total control of properties wire insulation (Power)         45 ± S Shore D           Material proporties wire insulation (Power)         45 ± S Shore D           Material proporties wire insulation (Power)         45 ± S Shore D           Material proporties wire insulation (Power)         45 ± S Shore D           Printing colour wire insulation (Power)         45 ± S Shore D           Printing colour wire insulation (Power)         42 ± S Shore D           Printing colour wire insulation (Power)         <		<del>-</del>
Outer disenses wire insulation         ± 5 %           Material properties wire insulation         2 ± 5 Shore D           Material properties wire insulation         lead-free, cadmium-free, CPC-free, silicone-free           Amount strands (rive)         19           Diameter of single wires         0,15 mm           Conductor crossection (wire)         0,34 mm²           Material conductor wire         Strand class 5           Conductor type (wire)         5 m @ 55 C Inhazontal           Travel speed (C-frack)         5 m @ 55 C Inhazontal           Travel speed (G-frack)         5 m @ 55 C Inhazontal           Tolerance outer diameter wire insulation (Power)         1,8 mm           Tolerance outer diameter wire insulation (Power)         45 %           Shore hardness wire insulation (Power)         345 Shore D           Material properties wire insulation (Power)         45 %           Material properties wire insulation (Power)         45 %           Portraing colour wire insulation (Power)         45 % Shore D           Material properties wire insulation (Power)         42 %           Diameter of single wires (Power)         42           Diameter of single wires (Power)         42           Diameter of single wires (Power)         42           Diameter of single wires (Power)         5		
Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation (prodefin freeness wire insulation)         good machinability           Impredent freeness wire insulation (prover)         19           Diameter of single wires         0,15 mm           Conductor reassection (wire)         9,34 mm²           Material conductor wire         Sharded copper wire, bare           Conductor (pv lew)         Sharded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         1,8 mm           Toller amon culter dismaler wire insulation (Power)         1,5 %           Shore hardness wire insulation (Power)         43±5 Shore D           Material properties wire insulation (Power)         43±5 Shore D           Material conductor wire insulation (Power)         43±5 Shore D           Penting colour wire insulation (Power)         43±6 Shore D           Material wire (Power)         42           Diameter of single wires (Power)         4.2		
Material properties wire insulation properties wire insulation (view) 19 Diameter of single wires 0, 15 mm Conductor traces score (view) 0, 34 mm² Material conductor view 0, 15 mm Conductor type (wire) Stranded copper wire, bare Conductor type wire insulation (Power) PVC Coulder diameter wire insulation (Power) 1,9 mm College counter wire insulation (Power) 42 Conductor type wire insulation (Power) 42 Conductor type wire insulation (Power) wire (solation blue), white (solation brown) Conductor type wire insulation (Power) 42 Conductor type wire (Power) 42 Conductor type wire (Power) 51 Conductor type wire (Power) 52 Conductor type wire (Power) 53 Conductor type wire (Power) 54 Conductor type wire (Power) 55 Conductor type wire (Power) 57 Conductor type		
Ingredient freeness wire insulation   Iead free, cadmium-free, CFC-free, sillcone-free		
Diameter of single wires   0,15 mm   0,24 mm²   0,24		,
Diameter of single wires		
Conductor prossection (wire)   0,34 mm²		
Material conductor wire		•
Conductor type (wire)         Strand class 5           Traversing destance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         5           Material wire insulation (Power)         PVC           Outer diameter wire insulation (Power)         1,8 mm           Tolerance outer damater wire insulation (Power)         43.5 Shore D           Material properties were insulation (Power)         43.5 Shore D           Material properties were insulation (Power)         blead-free, cadminum-free, CFC-free, silicone-free           Ingredient freeness wire insulation (Power)         43.5 Shore D           Material properties were insulation (Power)         42.5 Shore D           Ingredient freeness wire insulation (Power)         42.6 (solation blue), white (solation blue)           Ingredient freeness wire insulation (Power)         42.7 (solation blue), white (solation blue)           Ingredient freeness wire (Power)         42.7 (solation blue), white (solation blue)           Ingredient freeness wire (Power)         42.7 (solation blue), white (solation blue)           Ingredient freeness wire (Power)         42.7 (solation blue), white (solation blue)           Impreciation free (Power)         57 mm           Material conductor wire (Power)         58 manufactory           Material conductor wire (Power)         58 manufactory           Max. ra	. ,	· · · · · · · · · · · · · · · · · · ·
Traversing distance (C-track)         5 m ⊕ 25 °C   horizontal           Travel speed (C-track)         5           Material wire insulation (Power)         PVC           Outer diameter wire insulation (Power)         1,8 mm           Tolerance outer diameter wire insulation (Power)         455 %           Shore hardness wire insulation (Power)         43±5 Shore D           Material properties wire insulation (Power)         43±5 Shore D           Material properties wire insulation (Power)         42± Shore D           Printing colour wire insulation (Power)         42± C           Printing colour wire insulation (Power)         42           Unameter of single wires (Power)         0,15 mm           Wire conductor vise (Power)         0,75 mm²           Wire conductor vise (Power)         0,75 mm²           Max. rated voltage (conductor - conductor)         300 V           Current load capacity (standard)         to DiN VDE 0298-4           Current load capacity (standard)         to DiN VDE 0298-4           Current load capacity (standard)         to DiN VDE 0298-4           Electrical resistance coating wire (Power)         26 Mm @ 20 °C           AC withstand voltage (wire - spicker)         26 Mm @ 20 °C           Power frequency withstand voltage (wire - spicker)         27 Mm @ 20 °C <t< td=""><td></td><td></td></t<>		
Travel speed (C-track)         5           Material wire insulation (Power)         PVC           Outer diameter wire insulation (Power)         1,8 mm           Tolerance outer diameter wire insulation (Power)         43.5 Shore D           Material properties wire insulation (Power)         good machinability           Material properties wire insulation (Power)         good machinability           Ingredient freeness wire insulation (Power)         lead-free, cadmium-free, CFC-free, silicone-free           Printing colour wire insulation (Power)         lead-free, cadmium-free, CFC-free, silicone-free           Printing colour wire insulation (Power)         white (solation blue), white (solation brown)           Amount strands wire (Power)         42           Diameter of single wires (Power)         0,75 mm²           Mitriconductor orass section (Power)         0,75 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Max. rated voltage (conductor - ground)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity mir. wire         4 A           Electrical resistance line constant wire         57 Okm @ 20 °C           Electrical resistance coating wire (power)         2 kW @ 60 s		
Material wire insulation (Power)		
Outer diameter wire insulation (Power)         1,8 mm           Tolerance outer diameter wire insulation (Power)         ±5 %           Shore hardness wire insulation (Power)         43±5 Shore D           Material properties wire insulation (Power)         good machinability           Ingredient freeness wire insulation (Power)         bead-free, cadmium-free, CFC-free, silicone-free           Printing colour wire insulation (Power)         42           Diameter of single wires (Power)         0.15 mm           Unameter of single wires (Power)         0.75 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Max. rated vollage (conductor - conductor)         300 V           Max. rated vollage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity wini, wire         4 A           A.C. withstand vollage (wire - wire)         2 k V @ 60 s           Electrical resistance line constant wire         2 k V @ 60 s           Electrical resistance village (may to the wire)         2 k V @ 60 s           Power frequency withstand voltage (wire - wire)         2 k V @ 60 s           Power		
Tolerance outer diameter wire insulation (Power)  Asta Shore hardness wire insulation (Power)  Material properties wire insulation (Power)  Ingredient freeness wire insulation (Power)  Material properties wire insulation (Power)  Amount strands wire (Power)  Material conductor wire insulation (Power)  Mire conductor vire insulation (Power)  Material conductor wire (Power)  Material conductor vire (Power)  Material conductor wire (Power)  Japan Samplar (Power)  A A  Current load capacity (standard)  DIN VDE 0298-4  Current load capacity (wire wire)  Japan Samplar (wire)  Japan Sa	<u> </u>	
Shore hardness wire insulation (Power)		<u> </u>
Material properties wire insulation (Power)   good machinability   Ingredient freeness wire insulation (Power)   lead-free, cadmium-free, CFC-free, silicone-free	(Power)	
Ingredient freeness wire insulation (Power) Printing colour wire insulation (Power) Amount strands wire (Power) O,15 mm Wire conductor cross section (Power) O,75 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Max. rated voltage (conductor - conductor) 300 V Am. rated voltage (conductor - ground) OUVED (298-4) Current load capacity (standard) Current load capacity (standard) To pink @20 °C Electrical resistance (Power) AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - wire) Power frequency withstand voltage (wire - wire) Power frequency withstand voltage (wire - size (Power) AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - size (Power) AC with standard voltage (wire - wire) Power frequency withstand voltage (wire - size (Power) AC with generature (static) An C Coperating temperature (static) An C Coperating temperature (static) An C Coperating temperature (static) AD C C Coperating temperature (static) AD C C C C C C C C C C C C C C C C C C C	Shore hardness wire insulation (Power)	43±5 Shore D
Printing colour wire insulation (Power)         white (isolation blue), white (isolation brown)           Amount strands wire (Power)         42           Diameter of single wires (Power)         0,15 mm           Wire conductor vive (Power)         0,75 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Gurrent load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4 A           Loop resistance         7,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         30 °C           Max. operating temperature (static)         30 °C           Max. operating temperature min. (dynamic)         5 °C           Operating temperature min. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Gasoline re		,
Amount strands wire (Power)         42           Diameter of single wires (Power)         0,15 mm           Wire conductor cross section (Power)         0,75 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4 A           Loop resistance         7,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         2 kV @ 60 s           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - sicket)         30 °C           Min. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         5°C           Operating temperature min. (dynamic)         7° °C           Flame resistance         UL 1581 § 1990   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good. application-related testing           Oil resistance         Good. application-related testing           Oil resistance	Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Diameter of single wires (Power)   0,15 mm	Printing colour wire insulation (Power)	white (isolation blue), white (isolation brown)
Wire conductor cross section (Power) 0,75 mm²  Material conductor wire (Power) Stranded copper wire, bare  Conductor type wire (Power) strand class 6  Max. rated voltage (conductor - conductor) 300 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4 A  Loop resistance 57 Ω/km @ 20 °C  Electrical resistance coating wire (Power) 26 Ω/km @20 °C  Electrical resistance coating wire (Power) 26 Ω/km @20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - iacket) 30 °C  Max. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 × Outer diameter  Bending radius (fixed) 10 × Outer diameter  Flamely construction form free cable end  No. oples 21	Amount strands wire (Power)	42
Max rated voltage (conductor - conductor)  Max. rated voltage (conductor - conductor)  Max. rated voltage (conductor - ground)  Max. rated voltage (wire - vire)  Max. rated voltage (wire - wire)  Max. rated voltage (wire - wire)  Max. rated voltage (wire - wire)  Max. rated voltage (wire - vire)  Max. operating temperature (fixed)  Max. operating temperature (fixed)  Max. operating temperature (fixed)  Max. operating temperature (fixed)  Max. operating temperature max. (dynamic)  To °C  Derating temperature max. (dynamic)  Max. rated voltage (wire - vire)  Good, application-related testing  Gasoline resistance  Good, application-related testing  Mix. particular (fixed)  Max. rated voltage (wire - vire)  Max. rated voltage (wire - vire)		0,15 mm
Conductor type wire (Power) strand class 6  Max. rated voltage (conductor - ground) 300 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Loop resistance  7,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Electrical resistance coating wire (Power) 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 30 °C  Min. operating temperature (static) 30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing IDIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles  10 x VI ST		· · · · · · · · · · · · · · · · · · ·
Max. rated voltage (conductor - conductor)  Max. rated voltage (conductor - ground)  300 V  Current load capacity (standard)  Current load capacity (standard)  Loop resistance  7,8 A  Electrical resistance line constant wire  Electrical resistance coating wire (Power)  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Max. operating temperature (static)  Max. operating temperature (fixed)  Ac perating temperature min. (dynamic)  70 °C  Plame resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Bending radius (fixed)  Ending radius (fixed)  2 Min. @ 25 °C  Connection type 2  Family construction form  free cable end  No. opless	. , ,	
Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4 A           Loop resistance         7,8 A           Electrical resistance lone constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         -30 °C           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing		
Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4 A  Loop resistance  7,8 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  Electrical resistance coating wire (Power)  26 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  acket)  Min. operating temperature (static)  30 °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  70 °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil vouter diameter  Travel speed (C-track)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles		
Current load capacity min. wire 4 A  Loop resistance 7,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Electrical resistance coating wire (Power) 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - aicket) 30 °C  Max. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles  2 H A  A  A  A  A  A  A  A  A  A  A  A  A		
Loop resistance 7,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Electrical resistance coating wire (Power) 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 21		
Electrical resistance line constant wire 57 Ω/km @ 20 °C  Electrical resistance coating wire (Power) 26 Ω/km @20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - acket) 2 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 21		
Electrical resistance coating wire (Power)  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  AC withstand voltage (wire - jacket)  Min. operating temperature (fixed)  AC withstand voltage (wire - jacket)  Min. operating temperature (fixed)  BO °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  21	<u> </u>	·
AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  430 °C  Max. operating temperature (fixed)  Operating temperature (fixed)  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil 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)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles	Electrical resistance line constant wire	
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  21		
Jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil 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)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  21	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  21	. ,	2 kV @ 60 s
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil 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)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  21	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 21	. • ,	80 °C
Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  21	Operating temperature min. (dynamic)	-5 °C
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) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 21	Operating temperature max. (dynamic)	70 °C
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) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 21	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 21	chemical resistance	Good, application-related testing
Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  2 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  21	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 21	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track) 2 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 21	Bending radius (fixed)	5 x Outer diameter
Connection type 2  Family construction form free cable end  No. of poles 21	Bending radius (dynamic)	10 x Outer diameter
Family construction form free cable end  No. of poles 21	Travel speed (C-track)	2 Mio. @ 25 °C
No. of poles 21	Connection type 2	
Family anathystics form	Family construction form	free cable end
Family construction form M12	No. of poles	21
	Family construction form	M12



Gender	female	
Color contact carrier	black	
Coding	A	
No. of poles	5	
PIN 1	+	
PIN 2	NC S 2	
PIN 3	-	
PIN 4	NO S 1	
PIN 5	PE	