

## MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

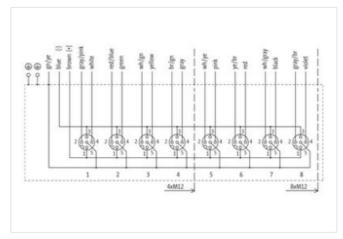
5.0m PUR 16x0,5+3x1,0, UL/CSA

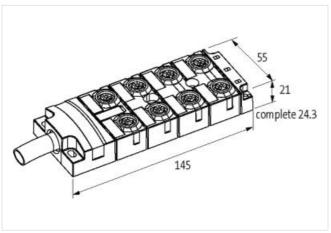
8-way, 5-pole Without LED for analog signals up to 48 V AC/DC Further cable lengths on request. Replaces identical product (Art.No. 27497)

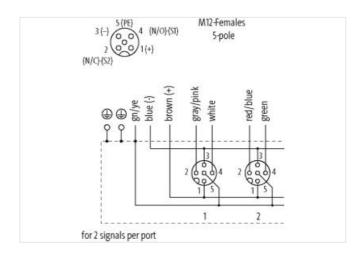
## **Link to Product**

## Illustration









Product may differ from Image









Commercial data		
ECLASS-6.0	27279219	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	



stay connected

FOL A 0.0 4.0 4	07440400
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879351973
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	48 V
Operating voltage DC max.	48 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68
Mechanical data   Material data	
Coating housing	Nickeled
Material housing	Zinc die-casting
	Emo dio odaling
Mechanical data   Mounting data	Othershousists
Mounting method	Schraubgewinde
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	452
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	7 wires around Core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	12 wires counter-rotating twisted
Banding	Fleece
Filler	yes
wire arrangement	gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)
Cable weigth	231 g/m
Material jacket	PUR
Shore hardness jacket	94 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Outer-diameter (jacket)	11,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	TPE-E
Amount wires	16
Outer diameter insulation	1,6 mm
O 1 P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	±5%
Outer diameter tolerance core insulation	
Shore hardness wire insulation	55 ± 5 Shore D
Shore hardness wire insulation Ingredient freeness wire insulation	55 ± 5 Shore D lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Shore hardness wire insulation Ingredient freeness wire insulation Traversing distance (C-track)	55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free 5 m @ 25 °C
Shore hardness wire insulation Ingredient freeness wire insulation Traversing distance (C-track) Amount strands (wire)	55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  5 m @ 25 °C  64
Shore hardness wire insulation Ingredient freeness wire insulation Traversing distance (C-track)	55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free 5 m @ 25 °C



stay connected

Meterial wire insulation (Data)   TPE-E	Material conductor wire	Stranded copper wire, bare
Meterial wire insulation (Data)   TPE-E	Conductor type (wire)	
2.1 mm		TPE-E
Shore hardnass wire insulation (Data)   55 ± 5 Shore D   lead-free, halogen-free, silicone-free, LABS-free   Manuent wires (Data)   3	Outer diameter wire insulation (Data)	2,1 mm
Ingredient freeness wire insulation (Data)   lead-free, halogen-free, silicone-free, LABS-free		±5%
Amount wires (Data) 3 Amount wires (Data) 128 Amount strands wire (Data) 0,1 mm  Conductor vires (Data) 0,1 mm  Conductor or osssection wire (Data) 1 mm  Aderial conductor vire (Data) 5 mm  Makerial conductor vire (Data) 500 V  Current load capacity (standard) 10 DIN VDE 0298-4  Current load capacity min. Wire (Data) 15 A  Electrical resistance line constant wire 39 Ω/km @ 20 °C  Current load capacity min. Wire (Data) 15 A  Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C  Current load capacity min. Wire (Data) 15 A  Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C  Act withstand voltage (wire • wire 2 k/k @ 60 s  Min. operating temperature (static) 40 °C  Maxe. operating temperature (static) 40 °C  Maxe. operating temperature (steed) 90 °C  Operating temperature min. (dynamic) 20 °C  Operating temperature min. (dynamic) 90 °C  Conditions of the desired desting 10 line N 60811-404  Bending radius (installation) x Quier diameter  Filame resistance Good, application-related testing 1 line N 60811-404  Bending radius (installation) x Quier diameter  Firand yeond (C-track) 5 Min. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 16  Family construction form M12  Gender female  Coding A  No. of poles 5  Filine 1 + + + + + + + + + + + + + + + + + +	Shore hardness wire insulation (Data)	55 ± 5 Shore D
Amount wires (Data) 3 Amount wires (Data) 128 Amount strands wire (Data) 0,1 mm  Conductor vires (Data) 0,1 mm  Conductor or osssection wire (Data) 1 mm  Aderial conductor vire (Data) 5 mm  Makerial conductor vire (Data) 500 V  Current load capacity (standard) 10 DIN VDE 0298-4  Current load capacity min. Wire (Data) 15 A  Electrical resistance line constant wire 39 Ω/km @ 20 °C  Current load capacity min. Wire (Data) 15 A  Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C  Current load capacity min. Wire (Data) 15 A  Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C  Act withstand voltage (wire • wire 2 k/k @ 60 s  Min. operating temperature (static) 40 °C  Maxe. operating temperature (static) 40 °C  Maxe. operating temperature (steed) 90 °C  Operating temperature min. (dynamic) 20 °C  Operating temperature min. (dynamic) 90 °C  Conditions of the desired desting 10 line N 60811-404  Bending radius (installation) x Quier diameter  Filame resistance Good, application-related testing 1 line N 60811-404  Bending radius (installation) x Quier diameter  Firand yeond (C-track) 5 Min. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 16  Family construction form M12  Gender female  Coding A  No. of poles 5  Filine 1 + + + + + + + + + + + + + + + + + +	Ingredient freeness wire insulation (Data)	lead-free, halogen-free, silicone-free, LABS-free
Amount strands wire (Data) 128  Diameter of single wires (Otata) 0,1 mm  Conductor or Seascaction wire (Data) 1 mm²  Material conductor wire (Data) 5tranded copper wire, bare  Wire conductor type (Data) 5tranded copper wire, bare  Wire conductor type (Data) 5tranded copper wire, bare  Wire conductor wire (Data) 5tranded copper wire, bare  Wire Conductor vire (Data) 5tranded copper wire, bare  Wire Conductor vire (Data) 5tranded copper wire, bare  San V	Amount wires (Data)	<del>-</del>
Conductor crosssection wire (Data)         1 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Max. rated voitage (conductor - conductor)         300 V           Max. rated voitage (conductor - ground)         300 V           Current load capacity (sandard)         10 DN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. wire (Data)         15 A           Electrical resistance line constant wire         39 Ωkm @ 20 °C           Electrical resistance coating wire (Data)         20 Ωkm @ 20 °C           Electrical resistance voitage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         30 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         20 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating factor (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic) <td>Amount strands wire (Data)</td> <td>128</td>	Amount strands wire (Data)	128
Conductor crosssection wire (Data)         1 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Max. rated voitage (conductor - conductor)         300 V           Max. rated voitage (conductor - ground)         300 V           Current load capacity (sandard)         10 DN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. wire (Data)         15 A           Electrical resistance line constant wire         39 Ωkm @ 20 °C           Electrical resistance coating wire (Data)         20 Ωkm @ 20 °C           Electrical resistance voitage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         30 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         20 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating factor (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic) <td>Diameter of single wires (Data)</td> <td>0,1 mm</td>	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data)         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 (Data)         15 A           Electrical resistance ine constant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         40 °C           Min. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Plame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           Felame resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (installation)         x Outer diameter           Bending radius (installation)         x Outer diameter           Bending radius (gynamic)         10 x Outer diameter           Bending radius (gynamic)         10 x Outer diameter           Family construction form         free cable end	Conductor crosssection wire (Data)	1 mm <sup>2</sup>
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 (Data)         15 A           Electrical resistance line constant wire (Bata)         39 Q Mm @ 20 °C           Electrical resistance coating wire (Data)         20 Q Mm @ 20 °C           AC withstand voltage (wire - wire)         2 k V @ 60 s           Power frequency withstand voltage (wire - acket)         2 k V @ 60 s           Wiln. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating adjust (memberature min. (dynamic)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature min	Material conductor wire (Data)	Stranded copper wire, bare
Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Qurrent ladd capacity (standard)         to DIN VDE 0298-4           Current ladd capacity min. wire         5,9 A           Current ladd capacity min. wire         15 A           Electrical resistance line constant wire         39 Ω km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         40 °C           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature (fixed)         80 °C           Good, a	Wire conductor type (Data)	strand class 6
Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. Wire (Data)         15 A           Electrical resistance line constant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         40 °C           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Plane resistance         UL 1581 § 1100 FT2   IEC 60332 2-2   UL 1581 § 1090           Chemical resistance         Good, application-related testing           Dia resistance         Good, application-related testing           Dia resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         8 x Outer diameter           Bending radius (gynamic)         10 x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           Connection type 2         Family construction form         free cable end           No. of poles         16	Max. rated voltage (conductor - conductor)	300 V
Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         5,9 A           Current load capacity min. Wire (Data)         15 A           Electrical resistance line constant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         40 °C           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Plane resistance         UL 1581 § 1100 FT2   IEC 60332 2-2   UL 1581 § 1090           Chemical resistance         Good, application-related testing           Dia resistance         Good, application-related testing           Dia resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         8 x Outer diameter           Bending radius (gynamic)         10 x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           Connection type 2         Family construction form         free cable end           No. of poles         16	Max. rated voltage (conductor - ground)	300 V
Current load capacity min. wire         5.9 A           Current load capacity min. Wire (Data)         15 A           Electrical resistance line constant wire         39 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         40 °C           Min. operating temperature (static)         40 °C           Max. operating temperature (ixed)         90 °C           Operating temperature min. (dynamic)         20 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Plame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           Chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Sasoline resistance         Good, application-related testing           Dil resistance         Sood, application-related testing </td <td>Current load capacity (standard)</td> <td>to DIN VDE 0298-4</td>	Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire (Data)         15 A           Electrical resistance line constant wire         39 Ω/km @ 20 °C           Electrical resistance loading wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - vacket)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         40 °C           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Glassifier esistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           Heinerical resistance         Good, application-related testing           Glassifier esistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         8 × Outer diameter           Bending radius (fixed)         8 × Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           Connection type 2         Family construction form         free cable end           No. of poles         16	Current load capacity min. wire	5,9 A
Electrical resistance coating wire (Data) 20 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) -40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature min. (dynamic) 90 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Dil resistance Good, application-related testing  Bending radius (fixed) 8 × Outer diameter  Bending radius (fixed) 8 × Outer diameter  Bending radius (fixed) 8 × Outer diameter  Bending radius (formatic) 10 × Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 16  Family construction form M12  Gender female  Color contact carrier black  Color contact carrier black  No. of poles 5  FIN 1 +  PIN 2 NCS 2  FIN 3 -  FIN 4 NOS 1	Current load capacity min. Wire (Data)	15 A
AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - acket) 2 kV @ 60 s  Acket) 2 kV @ 60 s  Aux. operating temperature (static) 40 °C  Max. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature min. (dynamic) 90 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance Good, application-related testing  Casoline resistance Good, application-related testing DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 16  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NG S 2  PIN 3 -  NG S 2  PIN 3 -  NG S 2  PIN 4 NO S 1	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire - acket)  Min. operating temperature (static)  Max. operating temperature (fixed)  90 °C  Deperating temperature min. (dynamic)  Operating temperature min. (dynamic)  90 °C  Powerating temperature min. (dynamic)  90 °C  Plame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  8 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  16  Female  Color contact carrier  black  Coding  A  No. of poles  5  PIN 1  +  PIN 1  +  PIN 2  NC S 2  PIN 3  -  VO S 1	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
Acket)  All Compariting temperature (static)  All Compariting temperature (static)  All Compariting temperature (fixed)  All Compariting temperature (fixed)  All Compariting temperature min. (dynamic)  All Compariting temperature (fixed)  All Compariting temperature min. (dynamic)  A	AC withstand voltage (wire - wire)	2 kV @ 60 s
Wax. operating temperature (fixed) 90 °C  Operating temperature min. (dynamic) 20 °C  Operating temperature max. (dynamic) 90 °C  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Dil resistance Good, application-related testing  Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 16  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 1 +  PIN 2 NC S 2  PIN 3 -  PIN 4 NO S 1	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature testing Operating testing Operating temperature testing Operating temperature testing Operating testing Operating temperature testing Operating testing testing Operating testing O	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Bending radius (installation)  Sending radius (fixed)  Bending radius (fixed)  Bending radius (dynamic)  Travel speed (C-track)  S Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  16  Family construction form  M12  Gender  Goodnag  A  No. of poles  5  PIN 1  A  No. of poles  5  PIN 1  A  No. of poles  5  PIN 1  A  No. S 2  PIN 3  -  No. S 1	Max. operating temperature (fixed)	90 °C
Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 8 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2 Family construction form free cable end No. of poles 16 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	Operating temperature min. (dynamic)	-20 °C
Schemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 8 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2 Family construction form free cable end No. of poles 16 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	Operating temperature max. (dynamic)	90 °C
Gasoline resistance Good, application-related testing   DIN EN 60811-404   Bending radius (installation) x Outer diameter   Bending radius (fixed) 8 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter   Travel speed (C-track) 5 Mio. @ 25 °C    Connection type 2  Family construction form free cable end   No. of poles 16 Family construction form M12 Gender female   Color contact carrier   Color othact carrier   Color other contact carrier   Diack   No. of poles 5   PIN 1 +   PIN 2 NC S 2  PIN 3 -   PIN 4 NO S 1	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Good, application-related testing   DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 8 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end No. of poles 16 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	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter Bending radius (fixed) 8 x Outer diameter Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end No. of poles 16  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	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 8 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end No. of poles 16  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	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic)  Travel speed (C-track)  5 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  16  Family construction form  M12  Gender  Gender  Color contact carrier  black  Coding  A  No. of poles  5  PIN 1  +  PIN 2  NC S 2  PIN 3  -  NO S 1	Bending radius (installation)	x Outer diameter
Travel speed (C-track)         5 Mio. @ 25 °C           Connection type 2           Family construction form         free cable end           No. of poles         16           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	Bending radius (fixed)	8 x Outer diameter
Family construction form free cable end No. of poles 16 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	Bending radius (dynamic)	10 x Outer diameter
Family construction form free cable end  No. of poles 16  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	Travel speed (C-track)	5 Mio. @ 25 °C
No. of poles 16 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	Connection type 2	
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	Family construction form	free cable end
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	No. of poles	16
Color contact carrier         black           Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1	Family construction form	M12
Coding         A           No. of poles         5           PIN 1         +           PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1	Gender	female
No. of poles 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	Color contact carrier	black
PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	Coding	A
PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	No. of poles	5
PIN 3 - NO S 1	PIN 1	+
PIN 4 NO S 1	PIN 2	NC S 2
	PIN 3	-
PIN 5 PE	PIN 4	NO S 1
	PIN 5	PE