

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

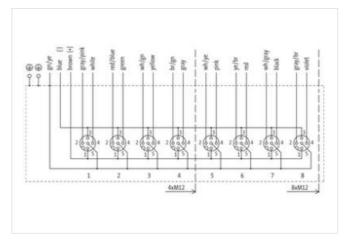
5.0m PUR 16x0,5+3x1,0, UL/CSA

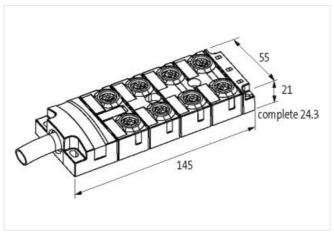
8-way, 5-pole Without LED for analog signals up to 48 V AC/DC Further cable lengths on request. Replaces identical product (Art.No. 27497)

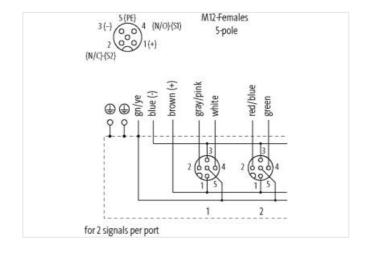
## **Link to Product**

## 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	

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



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FOL AGO 40 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
	Zino die oddung
Mechanical data   Mounting data	O through the second of the se
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
	. 5.0/
Outer diameter tolerance core insulation	±5%
Outer diameter tolerance core insulation Shore hardness wire insulation	55 ± 5 Shore D
Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation	55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64
Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64  0,1 mm
Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	55 ± 5 Shore D  lead-free, CFC-free, halogen-free, silicone-free, LABS-free  64

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Troversing distance (C-track) 5 m Ø 25 °C  Material wire insulation (Data) 7PE-E  Outer diameter wire insulation (Data) 2,1 mm  Tolerance outer diameter wire insulation (Data) 5 ± 5 %  Shore hardness wire insulation (Data) 55 ± 5 %  Shore hardness wire insulation (Data) 182 5 %  Shore hardness wire insulation (Data) 182 5 %  Amount wires (Data) 3  Shore hardness wire insulation (Data) 182 5 %  Diameter of single wires (Data) 182 5 %  Diameter of single wires (Data) 182 5 %  Material conductor wire (Data) 5 %  Material conductor year (Data) 500 V  Wire conductor type (Data) 500 V  Max. rated voltage (conductor- ground) 500 V  Current load capacity min wire 5 % A  Electrical resistance in command wire (Data) 5 Å  Electrical resistance in command wire (Data) 5 Å  Electrical resistance in command wire (Data) 20 V C  Electrical resistance in command wire (Data) 20 V C  Block with said voltage (wire (Data) 20 V C  Block with said voltage (wire (Data) 20 V C  Corrent load capacity min wire (Data) 20 V C  Block with said voltage (wire (Data) 20 V C  Corrent ground in the preparature (static) 40 °C  Max. operating temperature (static) 40 °C  Querating temperature min. (dynamic) 20 °C  Coperating temperature min. (dynamic) 20 °C  Co	Conductor type (wire)	strand class 6
Meserial wire insulation (Data)   TPE-E		5 m @ 25 °C
Outer diameter wire insulation (Oata)	Material wire insulation (Data)	TPE-E
Tolerance outer diameter wite insulation (data) = 5. % Shore hardness wite insulation (data) = 5. % Shore hardness wite insulation (data) = 5. % 5. \$ Shore D   Ingredient freeness wire insulation (data) = 1.	Outer diameter wire insulation (Data)	2,1 mm
Ingredient freeness wire insulation (Data)   lead-free, halogen-free, silicone-free, LABS-free   Amount wires (Data)   3   Amount wires (Data)   128   Diameter of single wires (Data)   1 mm²   Amount strands (or wire (Data)   1 mm²   Amount during (or wire (Data)   1 mm²   Amount during (or wire (Data)   1 mm²   Amount during (or wire (Data)   1 mm²   Americal conductor conductor   2 month   Americal conductor   2 month   2 month   Americal capacity (standard)   10 DIN VDE 0299-4   Current load capacity (standard)   15 A   Current load capacity (standard)   15 A   Current load capacity (standard)   20 DIM © 20 °C   Current load capacity min. Wire (Data)   20 DIM © 20 °C   AC withstand voltage (wire - wire)   2 kV @ 60 s   Electrical resistance locating wire (Data)   20 DIM © 20 °C   AC withstand voltage (wire - wire)   2 kV @ 60 s   AC withstand voltage (wire - wire)   2 kV @ 60 s   AC withstand voltage (wire - wire)   2 kV @ 60 s   AC withstand voltage (wire - wire)   2 kV @ 60 s   AC withstand voltage (wire - wire)   2 kV @ 60 s   AC withstand voltage (wire - wire)   2 kV @ 60 s   AC voltageneral generature (Executed on the properature (Executed on the properature on the pro		±5%
Amount wires (Data) 3 Amount airands wire (Data) 128 Diameter of Isingle wires (Data) 0,1 mm Conductor vires (Data) 1 mm² Material conductor vire (Data) 1 mm² Material conductor vire (Data) 5 mm² Material conductor vire (Data) 5 mm² Material conductor vire (Data) 5 mm² Max. radad voltage (conductor - conductor) 300 V Current load capacity (standard) 100 NVDE 0298-4 Current load capacity (standard) 15 A Electrical resistance line constant wire 20 Ω Ω Nm @ 20 °C Electrical resistance coating wire (Data) 2 ND Nm @ 20 °C Electrical resistance (wire - 2 ND	Shore hardness wire insulation (Data)	55 ± 5 Shore D
Amount wires (Data) 3 Amount airands wire (Data) 128 Diameter of Isingle wires (Data) 0,1 mm Conductor vires (Data) 1 mm² Material conductor vire (Data) 1 mm² Material conductor vire (Data) 5 mm² Material conductor vire (Data) 5 mm² Material conductor vire (Data) 5 mm² Max. radad voltage (conductor - conductor) 300 V Current load capacity (standard) 100 NVDE 0298-4 Current load capacity (standard) 15 A Electrical resistance line constant wire 20 Ω Ω Nm @ 20 °C Electrical resistance coating wire (Data) 2 ND Nm @ 20 °C Electrical resistance (wire - 2 ND	Ingredient freeness wire insulation (Data)	lead-free, halogen-free, silicone-free, LABS-free
Amount strands wire (Data) 128  Diameter of single wires (Data) 0,1 mm  Conductor rossection wire (Data) 1 mm²  Material conductor wire (Data) 5 stranded copper wire, bare 1 mm²  Material conductor wire (Data) 5 stranded copper wire, bare 1 mm²  Material conductor vire (Data) 5 strand class 6  Max. rated voltage (conductor - conductor) 300 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) 1 to DIN VIDE 0299-4  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 osating wire (Data) 2 R/k @ 60 s  Power frequency withstand voltage (wire - wire) 2 kV @ 60 s  Min. operating temperature (Rixed) 90 °C  Operating temperature (Rixed) 90 °C  Operating temperature (Rixed) 90 °C  Operating temperature min. (dynamic)	Amount wires (Data)	<del>-</del>
Conductor crosssection wire (Data)         1 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Max. rated voitage (conductor - ground)         300 V           Max. rated voitage (conductor - ground)         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 ine constant wire         39 Ω/km @ 20 °C           Electrical resistance ine constant wire         20 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Now. operating temperature (kved)         90 °C           Operating temperature (kved)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         90 °C           Operating temperatu	Amount strands wire (Data)	128
Conductor crosssection wire (Data)         1 mm²           Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Max. rated voitage (conductor - ground)         300 V           Max. rated voitage (conductor - ground)         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 ine constant wire         39 Ω/km @ 20 °C           Electrical resistance ine constant wire         20 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Now. operating temperature (kved)         90 °C           Operating temperature (kved)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         90 °C           Operating temperatu	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         5.9 A           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 - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Plane resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (installation)         x Outer diameter           Bending radius (installation)         5 kV outer diameter	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         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 - wire)         2 kV @ 60 s           Max. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)	Material conductor wire (Data)	Stranded copper wire, bare
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         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 - giacket)         40 °C           Max. operating temperature (fixed)         90 °C           Operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         20 °C           Operating temperature (fixed)         90 °C           Operating temperature max. (dynamic)         90 °C           Good, application-related testing         001 resistance           Good, application-related testing         001 resistance           Bending radius (installation) <td< td=""><td>Wire conductor type (Data)</td><td>strand class 6</td></td<>	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 - jacket)         -40 °C           Min. operating temperature (static)         -40 °C           Max. operating temperature (incet)         90 °C           Operating temperature (incet)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           dehemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (installation)         x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C	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 - jacket)         -40 °C           Min. operating temperature (static)         -40 °C           Max. operating temperature (incet)         90 °C           Operating temperature (incet)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Operating temperature max. (dynamic)         90 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           dehemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (installation)         x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C	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 - wire) 2 kV @ 60 s AC word with voltage (wire - wire) 2 kV @ 60 s AC word with voltage (wire - wire) 2 kV @ 60 s AC word wire a kV @	Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire (Data)         15 A           Electrical resistance loate constant wire         39 Ω/km @ 20 °C           Electrical resistance loating wire (Data)         20 Ω/km @ 20 °C           AC withstand voltage (wire - vivie)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max operating temperature (fixed)         90 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         90 °C           Geoding application-related testing         0000           Gasoline resistance         Good, application-related testing           Garoline resistance         Good, application-related testing           Golins (liked)         8 x Outer diameter           Bending radius (fixed)         8 x Outer diameter           Bending radius (fixed) <td< td=""><td>Current load capacity min. wire</td><td></td></td<>	Current load capacity min. wire	
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 - apacket) 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  Gasoline resistance Good, application-related testing  Bending radius (installation) x Outer diameter  Bending radius (installation) 8 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Framily construction form free cable end  No. of poles 16  Family construction form M12  Gender female  Coding A  No. of poles 5  FIN 1 +  PIN 2 NC S 2  FIN 3 -  FIN 4 NO S 1	Current load capacity min. Wire (Data)	15 A
AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. 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   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 8 x Outer diameter  Bending radius (fixed) 8 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 (emale  Codor contact carrier black  Coding A  No. of poles 5  PIN 1 +  PIN 2 NC S 2  PIN 3 -  PIN 4 NO S 1	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)         2 kV @ 60 s           jacket)         -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           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           Oil 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 (G-track)         5 Mio. @ 25 °C           Concetton type 2         Family construction form         free cable end           No. of poles         16           Family construction form         free cable end           No. of poles         16           Family construction form         free cable end           No. of poles         5           Fin 1         +           PIN 1         +     <	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
AC   W   W   W   W	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. 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 Oil resistance Good, application-related testing Oil resistance Good, application-related testing IDIN 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	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
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   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           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	Min. operating temperature (static)	-40 °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           Oil 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           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	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           Oil 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
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil 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 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 Oil 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	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil 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 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) 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	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
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 (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