

## MVP12, 4XM12, 5POLE, PLUGGABLE CABLE

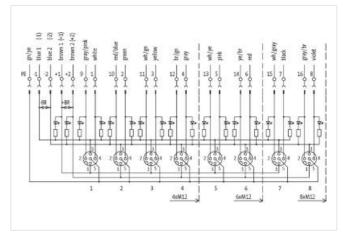
5.0m PUR/PVC 8x0,34+5x0,75

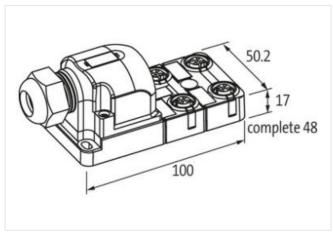
4-way, 5-pole PUR/PVC potentially separated with LED for digital PNP-signals 24 V DC

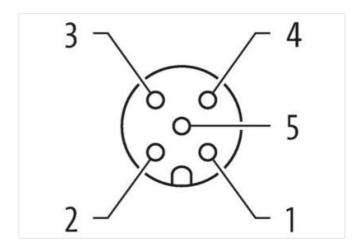
## **Link to Product**

## 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: 2024-05-08



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FOLASS 10.1	07440400
ECLASS-10.1 ECLASS-11.1	27440108 27440108
ECLASS-11.1	
ETIM-5.0	27440108
	EC002585 85369010
customs tariff number GTIN	
	4048879064309
Packaging unit	1
Electrical data   Supply	
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
Installation   Connection	
Mounting set	M12 x 1
	WILA I
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
Height	100 mm
Width	50,2 mm
Depth	17 mm
Installation   Cable	
STOOW style jacket	Hybrid, Signal, Power
Cable identification	374
Cable Type	2
Jacket Color	gray
Type of Certificate	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
Tolerance outer diameter (sheath)	±5%
Material inner jacket	PVC
Color (inner jacket)	gray
Material wire insulation	PVC
Amount wires	8
Outer diameter insulation	1,3 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	43 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5

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Outer dismeter wire insulation (Power)         1,8 mm           Tolerance outer diameter wire insulation (Power)         45 %           Shore hardness wire insulation (Power)         4345 Shore D           Material properties wire insulation (Power)         90 darachinability           Ingredient feeness wire insulation (Power)         bleak-ree, cadmium-free, CFC-free, silicone-free           Printing color: wire insulation (Power)         42           Diameter of single wires (Power)         42           Diameter of single wires (Power)         0,15 mm           Wee conductor coss section (Power)         57 mm²           Material conductor wire (Power)         51 standed copper wire, bare           Conductor type wire (Power)         51 standed copper wire, bare           Max. rated voitage (conductor - conductor)         300 V           Max. rated voitage (conductor - ground)         100 N VD E288-4           Current load capacity (standard)         to DIN VDE 288-4           Current load capacity	Travel speed (C-track)	5
Tolerance outer dameter wire insulation (Power)   43.5 Shore D	Material wire insulation (Power)	PVC
(Power)	Outer diameter wire insulation (Power)	1,8 mm
Material properties wire insulation (Power)         good machinability           Ingredient freeness wire insulation (Power)         lead-free, cadmun-free, CPC-free, silicone-free           Printing polour wire insulation (Power)         42           Diameter of single wires (Power)         42           Diameter of single wires (Power)         0.15 mm           Material conductor wire (Power)         Stranded copper wire, baire           Conductor type wire (Power)         Stranded copper wire, baire           Max. rated voitage (conductor - conductor)         300 V           Max. rated voitage (conductor - ground)         300 V           Current load capacity min. wire         4 A           Current load capacity min. wire         4 A           Current load capacity min. wire         4 A           Loop resistance e coating wire (Power)         25 Divm @ 20 °C           Electrical resistance coating wire (Power)         25 Divm @ 20 °C           Electrical resistance coating wire (Power)         25 Divm @ 20 °C           Max. operating temperature (static)         30 °C           Max. operating temperature (static)         30 °C           Max. operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         10 °C <td></td> <td>±5 %</td>		±5 %
Ingredient freeness wire insulation (Power)   lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness wire insulation (Power)	43±5 Shore D
Printing obour wire insulation (Power)         white (isolation blue), white (solation brown)           Amount strands wire (Power)         42           Diamater of single wires (Power)         0.15 mm           Wire conductor cross section (Power)         5 randed copper wire, bare           Conductor by were (Power)         Strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         100 N V           Current load capacity (standard)         100 N V E 0288-4           Current load capacity (standard)         100 N V E 0288-4           Current load capacity (standard)         57 Ω/km @ 20 °C           Electrical resistance ine constant wire         57 Ω/km @ 20 °C           Electrical resistance coaling wire (Power)         26 Ω/km @ 20 °C           Clear resistance values (wire - wire requency withstand voltage (wire - wire reque	Material properties wire insulation (Power)	good machinability
Amount strands wire (Power) 42 Diameter of single wires (Power) 0.15 mm Wire conductor ross section (Power) 0.75 mm Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded Copper wire, bare Copperating temperature (Static) Stranded Copper wire (Power) Stranded Copper wire, bare Copperating temperature (Static) Stranded Copper wire, bare Copperating temperature min. (dynamic) Stranded Copperating Copperating temperature min. (dynamic) Stranded C	Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Diameter of single wires (Power)         0,15 mm           Wire conductor cross section (Power)         0.75 mm²           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 (standard)         4 A           Loop resistance         7,8 A           Electrical resistance continue (review)         26 CMm (920 °C           Electrical resistance continue (wire - wire)         26 CMm (920 °C           Cower Irequercy withstand voltage (wire - wire)         24 V (9 60 °s           Power Irequercy withstand voltage (wire - wire)         24 V (9 60 °s           Power Irequercy withstand voltage (wire - wire)         24 V (9 60 °s           Power Irequercy withstand voltage (wire - wire)         25 CMm (920 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature (static)         -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           Oil resistance         Good, application-relate	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 min. wire         4 A           Loop resistance         7,8 A           Electrical resistance coating wire (Power)         26 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         2 kV @ 60 s           Power frequency withstand voltage (wire - yiacket)         2 kV @ 60 s           Power frequency withstand voltage (wire - yiacket)         30 °C           Max. operating temperature (stixed)         80 °C           Max. operating temperature (stixed)         80 °C           Operating temperature max. (dynamic)         70 °C           Plama resistance         U. 1581 § 1090   U.L. 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing	Amount strands wire (Power)	42
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 constant wire         57 Okm @ 20 °C           Electrical resistance line constant wire         26 WW @ 20 °C           AC withstand voltage (wire - wire)         2 kW @ 60 s           AC withstand voltage (wire - wire)         2 kW @ 60 s           Power frequency withstand voltage (wire - wire)         2 kW @ 60 s           Max. operating temperature (istatic)         -30 °C           Max. operating temperature (istatic)         -30 °C           Max. operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -70 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance	Diameter of single wires (Power)	0,15 mm
Conductor type wire (Power)         strand class 6           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)         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 - jacket)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. 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 resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (fixed)         5 × Outer diameter <t< td=""><td>Wire conductor cross section (Power)</td><td>0,75 mm²</td></t<>	Wire conductor cross section (Power)	0,75 mm²
Max. rated voltage (conductor - oronductor)         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 constant wire         57 Nam @ 20 °C           Electrical resistance coating wire (Power)         26 O/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iscket)         30 °C           Min. operating temperature (static)         30 °C           Max. operating temperature (fixed)         80 °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           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     <	Material conductor wire (Power)	Stranded copper wire, bare
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 conting wire (Power)         25 Ωkm @20 °C           Electrical resistance coating wire (Power)         25 Ωkm @20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - isoket)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature mix. (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 × Cuter diameter           Bending radius (dynamic)         10 × Outer diameter           Family construction form         free cable end           Color contact carrier         gray           No. of poles         13           Family construction form<	Conductor type wire (Power)	strand class 6
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 coaling 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)         40 °C           Min. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         70 °C           Perating 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           Family construction form         free cable end           Connection type 2         Family construction form         free cable end           Color contact carrier         Black	Max. rated voltage (conductor - conductor)	300 V
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 - given wire)         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 § 1909   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Pending radius (fixed)         5 x Outer diameter           Travel speed (C-track)         2 kilio, @ 25 °C           Connection type 2           Family construction form         free cable end           Color contact carrier         gray           No. of poles         13           Family construct	Max. rated voltage (conductor - ground)	300 V
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           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   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter           Bending radius (gynamic)         10 x Outer diameter           Travel speed (C-track)         2 Mio. @ 25 °C           Conception type 2           Family construction form         free cable end           Color contact carrier         gray           No. of poles         13           Family construction form         M12           Gender	Current load capacity (standard)	to DIN VDE 0298-4
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)         -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           Tavel speed (C-track)         2 Mio. @ 25 °C           Connection type 2           Family construction form         free cable end           Color contact carrier         gray           No. of poles         13           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A	Current load capacity min. wire	4 A
Electrical resistance coating wire (Power)         26 Ω/km @20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - izoket)         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           Color contact carrier         gray           No. of poles         13         Family construction form         M12           Gender         female         Color contact carrier         black           Coding         A         A           No. of poles	Loop resistance	7,8 A
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  Gil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Travel speed (C-track) 2 Mio. ⊚ 25 °C   Connection type 2  Family construction form free cable end  Color contact carrier gray  No. of poles 13  Family construction form M12  Gender female  Color contact carrier black  Coding A  No. of poles 5  FIN 1 +  PIN 2 NC S 2  FIN 3 -  FIN 5 NC S 2  FIN 6 S 3	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)         2 kW ⊚ 60 s           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 § 1909   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           Tavel speed (C-track)         2 Mio. @ 25 °C           Connection type 2         Family construction form           Family construction form         free cable end           Color contact carrier         gray           No. of poles         13           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           FIN 1         +           PIN 2         NC S	Electrical resistance coating wire (Power)	26 Ω/km @20 °C
Act	AC withstand voltage (wire - wire)	2 kV @ 60 s
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           Gil 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           Color contact carrier         gray           No. of poles         13           Family construction form         M12           Gender         female           Color contact carrier         black           Coding         A           No. of poles         5           FIN 1         +           PIN 2         NC S 2           PIN 3         -           PIN 4         NO S 1		2 kV @ 60 s
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   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter           Bending radius (foynamic)         10 x Outer diameter           Travel speed (C-track)         2 Mio. @ 25 °C           Connection type 2         Family construction form           Family construction form         free cable end           Color contact carrier         gray           No. of poles         13           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)	-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   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           Color contact carrier         gray           No. of poles         13           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)	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   Color contact carrier gray   No. of poles 13   Family construction form M12   Gender female   Color contact carrier black   Coding A   No. of poles 5   PIN 1	Operating temperature min. (dynamic)	-5 ℃
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 Color contact carrier gray No. of poles 13  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)	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 Color contact carrier gray No. of poles 13  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 § 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  Color contact carrier gray  No. of poles 13  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 (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  Color contact carrier gray  No. of poles 13  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 (dynamic)	Oil resistance	Good, application-related testing   DIN EN 60811-404
Connection type 2         Family construction form         free cable end           Color contact carrier         gray           No. of poles         13           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)	5 x Outer diameter
Connection type 2           Family construction form         free cable end           Color contact carrier         gray           No. of poles         13           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           Color contact carrier         gray           No. of poles         13           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)	2 Mio. @ 25 °C
Color contact carrier         gray           No. of poles         13           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	
No. of poles         13           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
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	Color contact carrier	gray
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	13
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	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 4	NO S 1
		PE