

EXACT12, 8XM12, 4 POLE, MOULDED CABLE

30.0m PUR 8x0.5+3x1.0, UL/CSA

8-way, 4-pole

8-way, 4-pole

Further cable lengths on request.

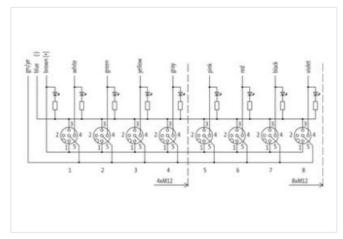
Plastic housings with good resistance against chemicals and oils.

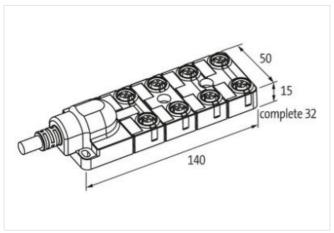
The resistance to aggressive media should be individually tested for your application. Further details on request.

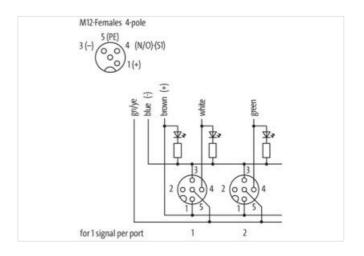
Link to Product

Illustration









Product may differ from Image









Commercial data		
ECLASS-6.0	27143423	
ECLASS-7.0	27449001	
ECLASS-8.0	27279219	
ECLASS-9.0	27440321	
ETIM-5.0	EC002585	

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18



stay connected

customs tariff number	85444290
GTIN	4048879309110
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 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
Device protection Media	
	House extended
Flame resistance	flame retardant
Mechanical data Material data	
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	70 °C
Additional condition temperature range	depending on cable quality
	depending on capic quanty
Installation Cable	
Cable identification	447
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires with Filler twisted
Stranding factor min.	51 mm
Stranding factor max.	51 mm
Amount stranding (type 2)	1
Stranding (type 2)	9 wires around Stranding combination counter-rotating twisted
Stranding factor min. (type 2)	100 mm
Stranding factor max. (type 2)	100 mm
Filler	yes
wire arrangement	white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)
Cable weigth	146,3 g/m PUR
Material jacket Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer-diameter (jacket)	9,4 mm
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Tolerance outer diameter (sheath)	± 5 %
Tolerance outer diameter (sheath) Material wire insulation	±5% TPE-E
Tolerance outer diameter (sheath) Material wire insulation Amount wires	± 5 % TPE-E 8
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	± 5 % TPE-E 8 1,8 mm
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	± 5 % TPE-E 8 1,8 mm ± 5 %
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	± 5 % TPE-E 8 1,8 mm ± 5 % 55 ± 3 Shore D
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	± 5 % TPE-E 8 1,8 mm ± 5 % 55 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	± 5 % TPE-E 8 1,8 mm ± 5 % 55 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 64
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	± 5 % TPE-E 8 1,8 mm ± 5 % 55 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 64 0,1 mm
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	± 5 % TPE-E 8 1,8 mm ± 5 % 55 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 64 0,1 mm 0,5 mm²
Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	± 5 % TPE-E 8 1,8 mm ± 5 % 55 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free 64 0,1 mm



Tolerance outer dismeter wire insulation (Data) ± 5 % Shore handness wire insulation (Data) 5 ± 3 Shore D Impredient Internacions wire insulation (Data) 184 ± 74 cc. cardinium-free, CFC-free, halogen-free, EABS-free Amount viries (Data) 3 Amount viries (Data) 0,1 mm Conductor crosssection wire (Data) 1,1 mm Conductor virey (Data) 1,1 mm Mire conductor type (Data) 5 med ecoper wire, bare Wire conductor type (Data) 5 med ecoper wire, bare Wire conductor type (Data) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Current load capacity (standard) 10 DIN VDE 0288-4 Current load capacity (standard) 15 A Current load capacity (standard) 16 A Current load capacity (standard) 2 N/ ® 80 s Current load capacity (standard) 2 N/ ® 80 s	Material wire insulation (Data)	TPE-E
Shore hardness wire insulation (Data) 55 ± 3 Shore D Ingredent freeness wire insulation (Data) 1 lead free, cadmium-free, CPC-free, halogen-free, sillicone-free, LABS-free Amount wires (Data) 1 sea Diameter of single wires (Data) 1 mm² Diameter of single wires (Data) 1 mm² Material conductor wire (Data) 5 franded copper wire, bare Wire conductor type (Data) 5 franded copper wire, bare Max. rated voltage (conductor - conductor) 500 V Current load capacity (sandard) 15 DN VE 0298-4 Current load capacity min. wire 5,9 A Current load capacity min. wire (Pata) 20 Olkm @ 20 °C Electrical resistance line constant wire 39 Olkm @ 20 °C Electrical resistance line constant wire 2 kV @ 60 s Fleetridar presenture (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -4	Outer diameter wire insulation (Data)	2,1 mm
Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Tolerance outer diameter wire insulation (data)	±5%
Amount wires (Data) 3 Amount strands wire (Data) 128	Shore hardness wire insulation (Data)	55 ± 3 Shore D
Amount strands wire (Data) 128 Diameter of single wires (Data) 0,1 mm Material conductor vire (Data) 1 mm² Material conductor vire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated vollage (conductor - ground) 300 V Max. rated vollage (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 15 A Electrical resistance coating wire (Data) 2 kV @ 60 s Current load capacity with voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s With. operating temperature (state) 90 °C Operating temperature (state) 90 °C Operating temperature min. (dynamic) 40 °C Operating temperature min. (dynamic) 50 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 40 °C Bending resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good Good Good Good Good Good Good Goo	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 1 mm² Max rated voltage (conductor vire (Data) stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - ground) 500 V Gurrent 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 inic 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 Max. operating temperature (fixed) 90 °C Max. operating temperature (fixed) 90 °C Max. operating temperature max. (dynamic) 90 °C Coperating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1980 Cohemical resistance Good, application-related testing Oil resistance Good, application-related testing<	Amount wires (Data)	3
Conductor crosssection wire (Data) 1 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) stranded class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity win. wire 5,9 A Current load capacity win. wire (Data) 15 A Electrical resistance coating wire (Data) 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 Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Max. operating temperature (fixed) 90 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 40 °C Operating temperature min. (dynamic) 90 °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	Amount strands wire (Data)	128
Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 5,9 A Current load capacity min. Wire (Data) 30 Ω/km @ 20 °C Electrical resistance lore constant wire 39 Ω/km @ 20 °C Electrical resistance ocating wire (Data) 20 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - gazety) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Gasoline resistance Good, application-related testing Galosine resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) X Outer diameter <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) 500 V 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) 2 kV @ 60 s Min. operating temperature (static) 40 °C Min. operating temperature (iked) 90 °C Operating temperature min. (dynamic) 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 Oil resistance Good, application-related testing Bending radius (installation) x Outer diameter </td <td>Conductor crosssection wire (Data)</td> <td>1 mm²</td>	Conductor crosssection wire (Data)	1 mm²
Max. rated voltage (conductor - conductor) 500 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 - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Max. operating temperature (fixed) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 40 °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) x Outer diameter Bending radius (installation) 10 x Outer diameter <tr< td=""><td>Material conductor wire (Data)</td><td>Stranded copper wire, bare</td></tr<>	Material conductor wire (Data)	Stranded copper wire, bare
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 - vire) 2 kV @ 60 s Power frequency withstand voltage (wire - vire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature max. (dynamic) -40 °C Max 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 Glori esistance Good, application-related testing Oli resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C	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 - lacket) -40 °C Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 90 °C Perating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Plane 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 (installation) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C Concettion type 2 Fee cable end No. of pole	Max. rated voltage (conductor - conductor)	500 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 Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 40 °C Operating temperature min. (dynamic) 90 °C Operating temperature mix. (dynamic) 90 °C Operating temperature mix. (dynamic) 90 °C Operating temperature mix. (dynamic) 90 °C Plame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Dil x Collection related testing IDIN EN 60811-404 Bending radius (installation) x Outer diameter	Max. rated voltage (conductor - ground)	300 V
Current load capacity min. Wire (Data) 15 A Electrical resistance load constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C AC withstand voltage (wire - viacket) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature mix. (dynamic) 90 °C Good, application-related testing 00 Gasoline resistance Good, application-related testing Goli resistance Good, application-related testing DIN EN 6081-404 Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C Connection ty	Current load capacity (standard)	to DIN VDE 0298-4
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) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature (mixed) 40 °C Operating temperature max. (dynamic) 40 °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 Othermical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 5 Mio. @ 25 °C Connection type 2 Family construction form free cable end No. of poles 11 Family construction form M12 Gender female Codoir contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 2 n.c. PIN 3 - PIN 4 NO S 1	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 - iacket) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -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 Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) 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 11 Family construction form M12 Gender female Codor contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 2 PIN 3 - PIN 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	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 min. (dynamic) 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) x Outer diameter Bending radius (fixed) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 2 n.c. PIN 3 -	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
Acket Ack A	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -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 Oil resistance Good, application-related testing Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) -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 DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. 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) 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 4 PIN 1 + PIN 2 n.c. 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) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Operating temperature min. (dynamic)	-40 °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) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. 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) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. 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) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter Bending radius (fixed) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic)	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 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Bending radius (fixed)	x Outer diameter
Connection type 2 Family construction form free cable end No. of poles 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Bending radius (dynamic)	10 x Outer diameter
Family construction form free cable end No. of poles 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Travel speed (C-track)	5 Mio. @ 25 °C
No. of poles 11 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. 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 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Family construction form	free cable end
Gender female Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	No. of poles	11
Color contact carrier black Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Family construction form	M12
Coding A No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Gender	female
No. of poles 4 PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Color contact carrier	black
PIN 1 + PIN 2 n.c. PIN 3 - PIN 4 NO S 1	Coding	A
PIN 2 n.c. PIN 3 - PIN 4 NO S 1	No. of poles	4
PIN 3 - NO S 1	PIN 1	+
PIN 4 NO S 1	PIN 2	n.c.
	PIN 3	-
PIN 5 PE	PIN 4	NO S 1
	PIN 5	PE