

EXACT12, 4XM12, 5-POLE, MOULDED CABLE

10.0m PUR 8x0,5+3x1,0

4-way, 5-pole for NPN signals 24 V DC Further cable lengths on request.

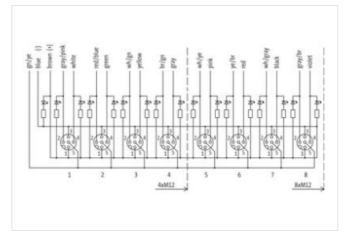
Plastic housings with good resistance against chemicals and oils.

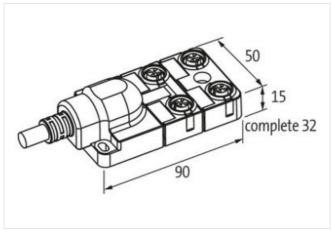
The resistance to aggressive media should be individually tested for your application. Further details on request.

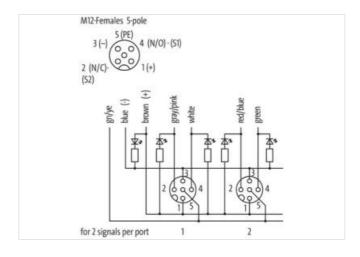
Link to Product

Illustration









Product may differ from Image









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



stay connected

ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879055710
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	
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
Installation Cable	
Cable identification	448
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
Banding	Fleece
Filler	yes
wire arrangement	white, yellow, (blue, brown, green-yellow, gray, gray-pink, red-blue, green, green-white, brown-green)
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Cable weigth	146,3 g/m
Material jacket	PUR
Shore hardness jacket	94 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer-diameter (jacket)	9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	TPE-E
Amount wires	8
Outer diameter insulation	1,6 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	55 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Amount strands (wire)	64
Diameter of single wires	0,1 mm

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: 2024-04-25



stay connected

Malerial conductor vire Stranded copper virie, barre Conductor type (win) strand class 6 Material virie insulation (Data) TPE-E Outer danameter virie insulation (Data) 55 % Shore hardness wire insulation (Data) 55 ± 3 Shore D Ingrandomir feneness wire insulation (Data) 55 ± 3 Shore D Ingrandomir feneness wire insulation (Data) 182 Amount strands wire (Data) 128 Dimater of alique viries (Data) 1, mm Consider crossection wire (Data) 1, mm² Consider crossection wire (Data) 1, mm² Malerial conductor viriey (Data) 1, mm² Correct load capacity (standard) 1, mm² Current load capacity (standard) 1, DN N VE 6284 Current load capacity (standard) 1, DN N VE 6284 Current load capacity (virie, wire (Data) 1, SA Electrical resistance or constant virie 39 Driving 20 °C Bilactrical resistance or constant virie 39 Driving 20 °C Restrict al resistance or constant virie 30 Driving 20 °C Restrict al resistance or constant virie 30 Driving 20 °C Restrict al resistance o	Conductor crosssection (wire)	0.5 mm ²
Conditional type (wive) stand class 6 Material were resulation (Data) TPE-E Under disameter wire insulation (clasta) 2,1 mm Tolerance outer disameter wire insulation (clasta) 55 ± 3 Shove D Ingredient freeness wire insulation (Data) 55 ± 3 Shove D Ingredient freeness wire insulation (Data) 182 Amount wires (Data) 3 Diameter of single wires (Data) 0,1 mm Conductor or seasorition wire (Data) 1 mm² Male and a conductor wire (Data) 1 mm² Mile conductor or yee (Data) 55 ± 3 Shove D Wire conductor wire (Data) 1 mm² Mile conductor wire (Data) 5 tranded copper wire, barre Wire conductor wire (Data) 1 to DIN VDE 6098-4 Current load capacity rim. Wire (Data) 15 A Electrical resistance line constant wire 39 D/km @ 20 °C Electrical resistance (setting wire (Data) 30 D/km @ 20 °C Max. rated vollage power (conductor - conductor) 500 V Max. rated vollage power (wire - wire) 2 kV @ 80 s AC withstand vollage power (wire - wire) 2 kV @ 80 s AC withstand vollage powe		·
Material river insulation (Dato) TPE-E Outlier diameter wire insulation (Dato) 2,1 mm Tolerance outer diameter wire insulation (Dato) 55 ± 3 Shore D Increarance unter diameter wire insulation (Dato) 55 ± 3 Shore D Increarance unter diameter wire insulation (Dato) 55 ± 3 Shore D Increarance unter (Dato) 92 ± 3 Shore D Increarance unter (Dato) 128 Amount strands wire (Dato) 128 Amount strands wire (Dato) 128 Increarance unter (Dato) 128 Increa		
Tolerance outer diameter wire insulation (tatal) £ 5 ½ Shore hardness wire insulation (Datal) 55 £ 2 Shore D Ingredient freeness wire insulation (Datal) 185 £ 2 Shore D Amount wires (Datal) 3 Amount strands wire (Datal) 0,1 mm Conductor crosssection wire (Datal) 1 mm² Martinal conductor wire (Datal) 1 mm² Wire conductor type (Datal) stranded capper wire, bare Wire conductor type (Datal) 1 mm² Current load capacity virit. wire 5,9 A Current load capacity virit. wire (Datal) 15 A Current load capacity virit. wire (Datal) 20 Ω mm @ 20 °C Electrical resistance coating wire (Data) 20 Ω mm @ 20 °C Bleactrical resistance coating wire (Data) 20 Ω mm @ 20 °C Max. rated voltage power (conductor - ground) 300 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature (fixed)		
Shore hardness wire insulation (Data) Ingredient freeness wire (Data) Ingredient f	Outer diameter wire insulation (Data)	2,1 mm
Shore hardness wire insulation (Data) Ingredient freeness wire (Data) Ingredient f	Tolerance outer diameter wire insulation (data)	±5%
Ingredient freeness wire insulation (Data) lead free, cadmitum free, CFC free, halogen-free, EIIIcone-free, LABS-free Amount viree (Data) 18 Diameter of single wires (Data) 0.1 mm Conductor crosssection wire (Data) 1 mm² Material conductor wire (Data) 1 mm² Material conductor wire (Data) 1 mm² Wire conductor type (Data) 15 mm² Wire conductor type (Data) 15 mm² Current load capacity min. wire 5,9 A Current load capacity min. wire 30 Dkm @ 20 °C Electrical resistance line constant wire 30 Dkm @ 20 °C Electrical resistance inter constant wire 30 Dkm @ 20 °C Electrical resistance inter constant wire 30 Dkm @ 20 °C Electrical resistance inter constant wire 30 Dkm @ 20 °C Electrical resistance inter constant wire 30 Dkm @ 20 °C Electrical resistance inter constant wire 30 Dkm @ 20 °C Electrical resistance inter constant wire 30 Dkm @ 20 °C Electrical resistance coating wire (Data) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage power (conductor - ground) 300 V Max. raded voltage p		
Amount vires (Data) 3 Amount strands wire (Data) 128 Diameter of single wires (Data) 0,1 mm Conductor crosssaction wire (Data) 1 mm² Material conductor wire (Data) 5 tranded copper wire, barre Wire conductor type (Data) 5 tranded copper wire, barre Wire conductor type (Data) 5 tranded copper wire, barre Wire conductor type (Data) 6 trand class 6 Current load capacity (standard) 10 IOIN VDE 0298-4 Current load capacity min. Wire (Data) 15 A Current load capac		
Amount strands wire (Data) 128 Diameter of single wires (Data) 0,1 mm Conductor or single wires (Data) 1 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) 5 shand class 6 Current load capacity (standard) 10 NDVE 0288-4 Current load capacity min. wire 5,8 A Current load capacity min. wire (Data) 15 A Electrical resistance line constant wire 30 p/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. power frequency withstand voltage power (wire - jacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature min. (dynamic) 90 °C Coreating temperature min. (dynamic) 40 °C Operating temperature min. (dynamic) 90 °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 Dir esistance UN 1580 (synamic) 10 × Outer diameter Bending radius (fixed) × Outer diameter Bending radius (fixed) × Outer diameter Bending radius (fixed) × Outer diameter Connection type 2 Family construction form M12 Gender Gende		
Conductor crosssection wire (Data) 1 mm² Materiai conductor wire (Data) Stranded copper wire, bare Wire conductor ye (Data) stranded soper wire, bare Wire conductor ye (Data) to DIN VDE 0298-4 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 Max. rated voltage power (conductor - conductor) 300 V Max. rated voltage power (conductor - conductor) 500 V Conductor) 2k W @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature (min. (dynamic) 90 °C Operating temperature (issed) 90 °C		128
Conductor crosssection wire (Data) 1 mm² Materiai conductor wire (Data) Stranded copper wire, bare Wire conductor ye (Data) stranded soper wire, bare Wire conductor ye (Data) to DIN VDE 0298-4 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 Max. rated voltage power (conductor - conductor) 300 V Max. rated voltage power (conductor - conductor) 500 V Conductor) 2k W @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature (min. (dynamic) 90 °C Operating temperature (issed) 90 °C		0.1 mm
Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Current load capacity (selandard) to IN VPE 0298-4 Current load capacity min. wire 5,9 A Current load capacity min. wire 39 0 km @ 20 °C Electrical resistance ine constant wire 39 0 km @ 20 °C Electrical resistance coating wire (Data) 20 Ωkm @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 90 °C Max. operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 90 °C Plamar eresistance U. 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (gynamic) 10 x Outer diameter Bending radius (gynamic) 10 x Outer diameter No. of poles 11 <td></td> <td><u> </u></td>		<u> </u>
Wire conductor type (Data) strand class 6 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 coaling wire (Data) 20 Q/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Wint - jackelly 40 °C Ac withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature max. (dynamic) 90 °C Consistance Good, application-related testing Christiance Good, application-related testing Christiance Dix N booth 1 of 1 (dood, application-related testing) Bending radius (fload) x Outer diameter Bending ra		
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 Max. rated voltage power (conductor - ground) 500 V Vonductor) 500 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (wire) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Plame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fiscallation) x Outer diameter Bending radius (fiscallation) x Outer diameter Bending radius (fiscallation) x Outer diameter Bending radius (fynamic) 10 x Outer diameter	. , ,	
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 Max. rated voltage power (conductor - ground) 300 V Max rated voltage power (conductor - conductor) 500 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Gasoline resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (installation) x Outer diameter Bending radius (prisallation) 10 x Outer diameter Bending radius (gradius (
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 Max. rated voltage power (conductor - ground) 500 V Amax rated voltage power (conductor - ground) 500 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 40 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter		
Electrical resistance constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 500 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 40 °C Operating temperature max. (dynamic) 90 °C Flame resistance U. 1581 § 1090 U.L 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN En 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (gynamic) 10 x Outer diameter Bending radius (gynamic) 10 x Outer diameter Bending radius (gynamic) 10 x Outer diameter Connection type 2 Fear in a construction form free cable end No. of poles 1 Family construction form M12		
Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V Conductor) 500 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature mix. (dynamic) 40 °C Operating temperature max. (dynamic) 90 °C Flame resistance U. 1581 § 1090 U. 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (installation) x Outer diameter No. of torsion cycles 0,5 Min. Torsion stress ± 180 °/m Connection type 2 Femily construction form Femily construction form M12 Gender female Color contact carrier black		
Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - conductor) 500 V Fower frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (iked) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Conception type 2 Family construction form M12 Gender female Color contact carrier black Coding		
Max. rated voltage power (conductor conductor) 500 V Power frequency withstand voltage power (wire - wire) 2 kV Ø 60 s AC withstand voltage power (wire - wire) 2 kV Ø 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature max. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Plame 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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Book of poles 11 Family construction form free cable end No. of poles 11 Family construction form M12 Gender female		
conductor) SOUV Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (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 max. (dynamic) 90 °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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Family con		
(wire - jacket) 2 NV 6 05 AC withstand voltage power (wire - wire) 2 kV 6 05 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 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 5	conductor)	500 V
Min. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1100 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (is (isted) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 2 Family construction form free cable end No. of poles 1 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 5 FIN 1 + FIN 2 NC S 2 PIN	(wire - jacket)	
Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 5 FIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 2 Family construction form Family construction form fee cable end No. of poles 11 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	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 90 °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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 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 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60911-404 Good, application-related testing Oil resistance DIN EN 60911-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 5 PIN 1 + PIN 2 NC S 2 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 DIN EN 60811-404 Good, application-related testing 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 No. of torsion cycles 0,5 Mio. Torsion stress ±180 °/m 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 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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	chemical resistance	
Bending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 5 PIN 1 + PIN 2 NC S 2 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 No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1		DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	Bending radius (installation)	x Outer diameter
No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m 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 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	Bending radius (fixed)	x Outer diameter
Torsion stress ± 180 °/m 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 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	Bending radius (dynamic)	10 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 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	No. of torsion cycles	0,5 Mio.
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 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	Torsion stress	± 180 °/m
No. of poles 11 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	11
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 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	No. of poles	5
PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1		+
PIN 3 - NO S 1		NC S 2
PIN 4 NO S 1	PIN 3	-
		NO S 1