

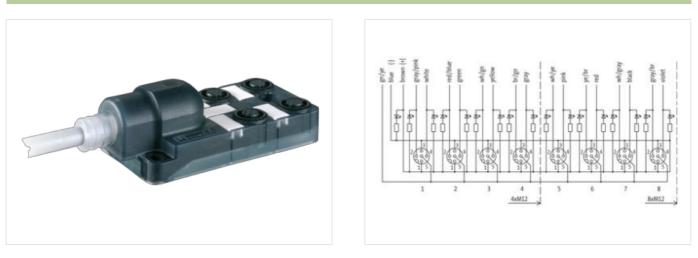
EXACT12, 4XM12, 5-POLE, MOULDED CABLE

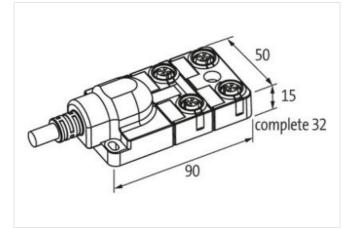
10.0m PUR 8x0,5+3x1,0

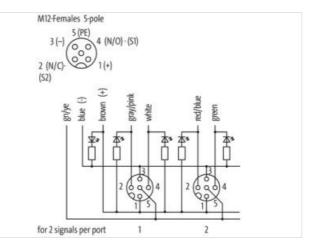
4-way, 5-pole for NPN signals 24 V DC Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

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	

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: 2024-05-21

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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	
	M12 x 1
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 1
Amount stranding (type 2) Stranding (type 2)	9 wires around Stranding combination counter-rotating twisted
Stranding (type 2) 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)
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 0.1 mm
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,5 mm²

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Candactor type (win) etrand class 6 Material wire insulation (Data) TFE E Correl dummer wire insulation (Class) 51 ± 35 hos D Torenace outer diameter wire insulation (Class) 55 ± 35 hos D Ingredient teneness wire insulation (Class) 55 ± 35 hos D Ingredient teneness wire insulation (Class) 55 ± 35 hos D Amount vires (Class) 0.1 mm Conductor strategies wire insulation (Class) 128 Dameter of single wires (Class) 0.1 mm Conductor strategies wire insulation (Class) 1 mm ¹ Material conductor wire (Class) strand vises 6 Max. rated voltage (conductor - conductor) 500 V Current tood capacity term. wire 59.A Current tood capacity term. wire 59.A Current tood capacity term. wire 20 D/hm @ 20 °C A wire and obstage (wire - wire) 40 °C Mix. operating temperature (leader) 90 °C Comparing temperature (leader)	Material conductor wire	Stranded copper wire, bare
Outer dimension (Data) 2.1 mm Tolerance outer dimension (data) 55.4 Shore D Ingredient freeness wire insulation (Data) 168.4 Shore D Ingredient freeness wire insulation (Data) 168.4 Shore D Amount vires (Data) 3 Amount vires (Data) 128 Darnetor of single wires (Data) 118 Conductor crossection wire (Data) 1 mm* Material conductor wire (Data) Sharded copper wire, bare Mile read voltagie (conductor - conductor) 500 V Max. rated voltagie (conductor - conductor) 500 V Max. rated voltagie (conductor - conductor) 500 V Max. rated voltagie (conductor - conductor) 500 V Current load capacity min. Wire (Data) 15 A Electrical resistance line constant wire 39 D INT @ 20 °C Electrical resistance line constant wire 39 D IMT @ 20 °C Consenting temperature (Bata) -40 °C Area wire prevature (Bata) -40 °C Consenting temperature (Bata) -40 °C Consenting temperature (Bata) -40 °C Consenting temperature (Bata) -40 °C	Conductor type (wire)	strand class 6
Tolerance outer diameter wire insulation (data) ± 5 % Shore handness wire insulation (Data) 55 ± 3 Shore D improdient (Tensors wire Sulation) 188 Diameter of single wires (Data) 18 Diameter of single wires (Data) 0.1 mm Conductor crossescion wire (Data) 1 mm² Marcal standbactwire (Data) Standed coper wire, bare Wire conductor type (Data) atrand class 6 Max: ratel voltage (conductor - conductor) 500 V Current Load capacity min. Wire (Data) 15 A Electrical resistance (conductor - conductor) 500 V Current Load capacity min. Wire (Data) 15 A Electrical resistance coaling wire (Data) 20 LW (@ 20 ° C Current Load capacity min. Wire (Data) 20 LW (@ 20 ° C Corrent Load capacity min. Wire (Data) 20 LW (@ 0.8 Max. operating temperature (isolage (wire - 2 LV (@ 0.8 0 Jack (Wire Mata)<	Material wire insulation (Data)	TPE-E
Shore hardness wire insulation (Data) 55 1 3 Shore D Ingredent freeness wire insulation (Data) Ised free, cadmium free, CFC-free, halogen-free, silicone-free, LABS-free Amount wires (Data) 18 Dameter of single wires (Data) 1 Nm Conductor crosssection wire (Data) 1 mm* Material conductor wire (Data) 1 mm* Material conductor wire (Data) 1 mm* Max rated voltage (conductor - conductor) 500 V Carrent load capacity (slandarr) to DN VDE 0286-4 Current load capacity (slandarr) to DN VDE 0286-4	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 Amount strands wire (Data) 3 Amount strands wire (Data) 0.1 mm Canductor crosssection wire (Data) 1 mm ³ Material conductor wire (Data) 1 mm ³ Material conductor wire (Data) strand class 6 Max, rated valuage (conductor - conductor) 300 V Current load capacity (min, wire 5.9 A Current load capacity min, wire 5.0 A Current load capacity min, wire 5.0 A Current load capacit	Tolerance outer diameter wire insulation (data)	±5%
Amount wires (Data) 3 Amount wires (Data) 128 Diameter of single wires (Data) 0.1 mm Conductor crossection wire (Data) Strandad copper wire, bare Wire conductor type (Data) Strandad copper wire, bare Max rated voltage (conductor - conductor) 500 V Max rated voltage (conductor - conductor) 500 V Max rated voltage (conductor - conductor) 500 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 15 A Electrical resistance costing wire (Data) 20 Okm @ 20 °C Electrical resistance costing wire (Data) 20 Okm @ 20 °C Control tood capacity min. Wire (Data) 15 A Electrical resistance costing wire (Data) 2 kV @ 60 s Power frequency withstand voltage (wire · uig) 2 kV @ 60 s Max. oparting temperature (statc) 40 °C Max. oparting temperature (statc) 40 °C Operating temperature mix. (dynamic) 90 °C Coperating temperature mix. (dynamic) 90 °C Coperating temperature mix. (dynamic) 90 °C Coperating temperature mix. (dynamic) 40 °C Filam resistance God, application-related testing Glo resistance God, application-related testing Glo resistance	Shore hardness wire insulation (Data)	55 ± 3 Shore D
Amount strands wire (Data) 128 Diameter of single wires (Data) 0,1 mm Conductor or social wires (Data) 1 mm ² Material conductor wire (Data) Stranded coper wire, bare Wire conductor wire (Data) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Current load capacity min. wire 5.9 A Current load capacity min. wire 5.9 A Current load capacity min. wire 6.9 A Current load capacity min. wire 20 Okm @ 20 °C Electrical resistance ine constant wire 39 Okm @ 20 °C Electrical resistance conting wire (Data) 21 V(@ 60 s Power frageurey withstand voltage (wire - gacket) 2V @ 60 s Power frageurey withstand voltage (wire - gacket) 2V @ 60 s Power frageurey withstand voltage (wire - gacket) 40 °C Operating temperature (static) 40 °C Operating temperature (static) 40 °C Operating temperature max. (styramic) 90 °C Flame resistance UL 1581 § 100 PT12 EC 60332-2 Celencial resistance Good, application-related testing Gasoline resistance Diod, application-related testing Oli resistance Diod, application-related testing Oli res	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 crossection wire (Data) 1 mm ² Marian conductor wire (Data) strand class 6 Max: rated voltage (conductor - conductor) 500 V Current load capacity min. Wrie (Data) 15 A Current load capacity min. Wrie (Data) 30 Arx @ 20 °C Electrical resistance line constant wire 39 Qrkm @ 20 °C Ac withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - graving isomperature (static)) -40 °C Max: operating temperature (static) -40 °C Operating temperature (static) -40 °C Cometal resistance Good, application-related testing Gold capplication-related testing Gold capplication-related testing Gold resistance Dio No Bio 11 VL 1581 § 1100 FT2 EC 60332-2-2 chemical resistance Good, application-related testing Gold resistance Dio No Bio 11 VL 1581 § 1100 LL 1581 § 1100 LL 1581 § 1100 L 1581 § 1100 L 1581 § 1100 L 1581 § 1100	Amount wires (Data)	3
Conductor crosssection wire (Data) 1 mm² Material conductor vire (Data) Stranded copper wire, bare Max, rated voltage (conductor - ground) 500 V Max, rated voltage (conductor - ground) 300 V Current load capacity (standard) to DN VDE 0298-4 Current load capacity (standard) to DN VDE 0298-4 Current load capacity min, wire 5,9 A Current load capacity min, wire 5,9 A Current load capacity min, wire 2,9 V @ 60 s Power frequency withstard voltage (wire - jack @ 60 s 2 kV @ 60 s Power frequency withstard voltage (wire - jack @ 00 v°C 2 kV @ 60 s Operating temperature (fated) 90 °C Flame resistance UL 1581 § 1100 FT2 EC 60332-2.2 Chemical resistance God, application-related testing Gaschion resistance God, application-related testing Gaschion resistance God, application-related testing Gaschion resistance God, application-related testing Bending radius (ristalizon) x Ourer diameter Bending radius (ristalizon) x Ourer diameter Bending radius (ristalizon) x Ourer diameter	Amount strands wire (Data)	128
Material conductor vire (Data) Stranded copper vire, bare Wire conductor vipe (Data) strand class 6 Max, rated voltage (conductor - conductor) 500 V Max, rated voltage (conductor - ground) 300 V Current load capacity (strandard) to DN VDE 0298-4 Current load capacity (strandard) to DN VDE 0298-4 Current load capacity (strandard) 15 A Electrical resistance line constant wire 39 0.1km @ 20 °C Electrical resistance conting wire (Data) 20 K/m @ 20 °C AC: withstand voltage (wire - group) 2 k/ @ 60 s Power frequency withstand voltage (wire - group of C 2 k/ @ 60 s Mix, operating temperature (static) -40 °C Operating temperature mix, (dynamic) 90 °C Filter resistance Good, application-related testing Gaoline resistance Good, application-related testing Gaoline resistance Good, application-related testing Orier dianeter Bending radius (fixed) X-Outer dianeter Bending radius (fixed) X-Outer dianeter State Bending radius (fixed) X-Outer dianeter Bending radiu	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data) strand class 6 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 constant wire 39 Ω/km @ 20 °C Electrical resistance constant wire 28 Ω/km @ 20 °C Current load capacity min. Wire (Data) 15 A Electrical resistance constant wire 28 Ω/km @ 20 °C CA withstand voltage (wire - μer (V @ 60 s 2 kV @ 60 s Power frequency withstand voltage (wire - μer (V @ 60 s 9 °C Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Gascillo 90 °C Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Gascillo resistance Good, application-related testing Gascillo resistance Good, application-related testing Bending radius (stataton) x Outer diameter Tarvel speed (C-track) 5 Mio. @ 25 °C No. of proles 0.5 Mio.	Conductor crosssection wire (Data)	1 mm ²
Max. rated voltage (conductor - ground) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity fitn. wire 5,9 A Current load capacity fitn. Wire (Data) 15 A Electrical resistance line constant wire 39 Ω Km @ 20 °C Carrent load capacity min. wire (Data) 20 Ω Km @ 20 °C AC withstand voltage (wire - wire) 2 KV @ 60 s Power frequency withstand voltage (wire - ground) 20 Ω Km @ 20 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Øxa: operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 10 °C Tamar tested (olics (statilation) </td <td>Material conductor wire (Data)</td> <td>Stranded copper wire, bare</td>	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 (Data) 15 A Electrical resistance constant wire 39 Ω km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - isk of 0.5 km) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -90 °C Operating temperature (static) -40 °C Operating temperature (static) -90 °C Operating temperature (static) -90 °C Operating temperature (static) -40 °C Operating temperature max. (dynamic) 90 °C Immed resistance UL 1581 § 1000 IUL 1581 § 1100 FT2 EC 60322-2-2 Cemenical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (stadalls) x Outer diameter Bending radius (stadalls) x Outer diameter Bending radius (stratallation) 10 x Outer diameter Tavel speed (C-track) 5 Min. @ 25 °C No. of torsion cycles 0,5 Min. Torsion stress 1 180 °/m Connection typel 11	Wire conductor type (Data)	strand class 6
Current load capacity (standard) to DIN VDE 0288-4 Current load capacity min. wire 5,9 A Current load capacity min. wire 5,9 A Current load capacity min. wire 5,9 A Current load capacity min. wire 39 D/km @ 20 °C Electrical resistance costing wire (Data) 20 D/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - intermediate status) 40 °C Max. operating temperature (statuc) -40 °C Max. operating temperature (statuc) -40 °C Operating temperature (statuc) -40 °C Generating temperature min. (dynamic) 90 °C Flame resistance UL 1581 § 1000 FT2 LEC 60332-2-2 chemical resistance Good, application-related testing Gasoine resistance DIN EN 6081-404 (Good, application-related testing Gasoine resistance DIN EN 6081-404 (Good, application-related testing Bending radius (instaliation) x Outer diameter Bending radius (instaliation) x Outer diameter Bending radius (instaliation) x Outer diameter Bending radius (instadi sissiance) 0.5 Mio.	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire5.9 ACurrent load capacity min. Wire (Data)15 AElectrical resistance coating wire (Data)39 Ω km @ 20 °CElectrical resistance coating wire (Data)20 Ω km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (fixed)40 °COperating temperature (fixed)90 °COperating temperature (fixed)90 °COperating temperature max. (dynamic)40 °CMax. operating temperature max. (dynamic)90 °COperating temperature max. (dynamic)90 °CChemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingBending radius (installation)x Outer diameterBending radius (installation)x Outer diameterBending radius (installation)x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of poles11Family construction formfree cable endNo. of poles11Family construction formM12GendertemaleColorida carrierblackCodingANo. of poles5PiN 1+PiN 2NC S 2PiN 4NO S 1	Max. rated voltage (conductor - ground)	300 V
Current load capacity min. Wire (Data) 15 Å Electrical resistance line constant wire 39 Ωkm @ 20 °C Electrical resistance line constant wire 20 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - line (kind)) 40 °C Min. operating temperature (static) 40 °C Operating temperature (kind) 90 °C Compariting temperature (kind) 90 °C Operating temperature (kind) 90 °C Compariting temperature (kind) 90 °C Conscience Good, application-related testing Oil resistance DiN EN 60811-404 Good, application-related testing Oil resistance DiN Cuter diameter Bending radius (kinallation) x Outer diameter Torsion stress ± 180 °m Connection type 2	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance ine constant wire 39 Ω/km @ 20 °C Electrical resistance costing 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 Max. operating temperature (static) -40 °C Operating temperature max. (dynamic) 90 °C Colored and the existance Good, application-related testing Cassinance UL 1581 § 1100 FT2 EC 60332-2-2 Chemical resistance Good, application-related testing Cassinance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (installation) x Outer diameter Bending radius (installation) S Mio. @ 25 °C No. of torsion cycles 0.5 Mio. Torsion stress ± 180 °/m Connection type 2 Fee cable end No. of poles 11 Family construction form Mi2 <	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 - inclusion inclusin inclusin inclusion inclusion inclusion inclusion in	Current load capacity min. Wire (Data)	15 A
AC withstand voltage (wire - wire) $2 kV @ 60 s$ Power frequency withstand voltage (wire - jacket) $2 kV @ 60 s$ Min. operating temperature (static) $-40 ^{\circ}C$ Max. operating temperature (kixed) $90 ^{\circ}C$ Operating temperature min. (dynamic) $-40 ^{\circ}C$ Operating temperature min. (dynamic) $90 ^{\circ}C$ Operating temperature min. (dynamic) $90 ^{\circ}C$ Operating temperature max. (dynamic) $90 ^{\circ}C$ Flame resistanceUL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 6081 + 1044 Good, application-related testingBending radius (installation)x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTarvel speed (-C+rack)5 Mio. @ 25 ^{\circ}CNo. of torsion cycles0.5 Mio.Torsion stress $\pm 180 ^{\circ}$ mConcetion type 2Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 4NO S 1	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Jacket) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature max. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1000 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 Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0.5 Mio. Torsion stress ± 180 °/m Connection type 2 Feanily construction form Family construction form M12 Gender female Color A No. of poles 5 PIN 1 + PIN 2 NC S 2 PIN 3 - PIN 4 NO S 1	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
jacket)A0 °CMin. operating temperature (static)-40 °CMax. operating temperature (fixed)90 °COperating temperature (fixed)90 °COperating temperature (fixed)90 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (installation)x Outer diameterBending radius (fixed)x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles0.5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5FIN 1+FIN 2NC S 2FIN 4NO S 1	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 § 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 (installation) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 5 Mio. @ 25 °C 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 FIN 1 + FIN 2 NC S 2 FIN 4 NO S 1		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 (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion systes ± 180 °/m Connection type 2 Family construction form Family construction form free cable end No. of poles 11 Famile Color contact carrier black Coding Coding A No. of poles 5 PIN 1 + PIN 2 NC S 2 PIN 3 -	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 Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0.5 Mio. Torsion stress ± 180 °/m Connection type 2	Max. operating temperature (fixed)	2° 09
Flame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (installation)x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5FIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Operating temperature min. (dynamic)	-40 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)5 Nio. @ 25 °CTravel speed (C-track)5 Nio. @ 25 °CNo. of torsion sycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Operating temperature max. (dynamic)	D° 09
Gasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Oil resistanceDIN EN 60811-404 Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 4NO S 1	chemical resistance	Good, application-related testing
Bending radius (installation)x Outer diameterBending radius (fixed)x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 4NO S 1	Gasoline resistance	Good, application-related testing
Bending radius (fixed)x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Bending radius (installation)	x Outer diameter
Travel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Bending radius (fixed)	x Outer diameter
No. of torsion cycles0,5 Mio.Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Bending radius (dynamic)	10 x Outer diameter
Torsion stress± 180 °/mConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Travel speed (C-track)	5 Mio. @ 25 °C
Connection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	No. of torsion cycles	0,5 Mio.
Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Torsion stress	± 180 °/m
No. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Connection type 2	
Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Family construction form	free cable end
GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	No. of poles	11
Color contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO 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 - PIN 4 NO S 1	PIN 1	+
PIN 4 NO S 1	PIN 2	NC S 2
	PIN 3	-
PIN 5 PE	PIN 4	NO S 1
	PIN 5	PE

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: 2024-05-21

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