

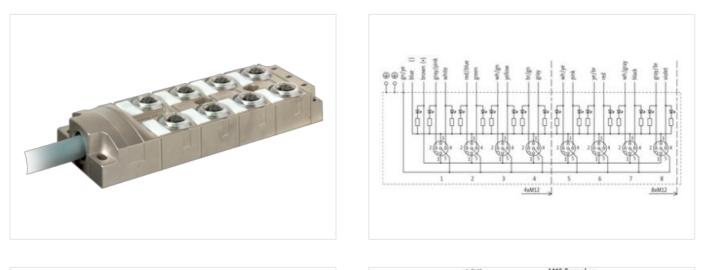
## MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

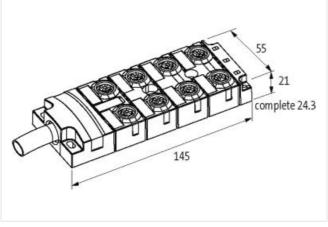
3.0m PUR 16x0,5+3x1,0, UL/CSA

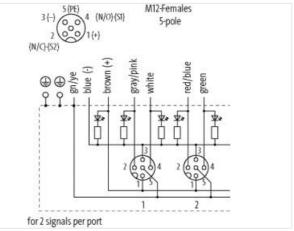
8-way, 5-pole 3.0 m with LED for digital PNP-signals 24 V DC Replaces identical product (Art.No. 27491) Further cable lengths on request.

## 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: 2024-05-21

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ECLASS-10.1	27440108
ECLASS-10.1	27440108
ECLASS-11.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879351911
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, IP68
Mechanical data   Material data	, -,
Coating housing	Nickeled
Material housing	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	452
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	7 wires around Core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	12 wires counter-rotating twisted
Banding	Fleece
Filler	yes
wire arrangement	gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown- yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet)
Cable weigth	231 g/m
Material jacket	PUR
Shore hardness jacket	94 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free
Outer-diameter (jacket)	11,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	TPE-E
Amount wires	16
Outer diameter insulation	1,6 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free, LABS-free
Traversing distance (C-track)	5 m @ 25 °C
Amount strands (wire)	64
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,5 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
mation in this Product-PDF has been compiled with the	

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Material wire insulation (Data)     TPE E       Outer diameter wire insulation (Data)     2.1 mm       Tolerance outer diameter wire insulation (Data)     55.5 Store D       Shore handness wire insulation (Data)     55.5 Store D       Impredient Termesswere insulation (Data)     55.5 Store D       Amount wires (Data)     128       Dameter of single wires (Data)     0.1 mm       Conductor crossesterion wire (Data)     1 mm <sup>2</sup> Material conductor wire (Data)     1 mm <sup>2</sup> Material conductor wire (Data)     1 mm <sup>2</sup> Material conductor wire (Data)     1 mm <sup>2</sup> Wire conductor type (Data)     strand class 6       Max. rated voltage (conductor - comductor)     300 V       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity (strandard) <th>Conductor type (wire)</th> <th>strand class 6</th>	Conductor type (wire)	strand class 6
Tolerance outer diameter wire insulation (tala)     1 5 %       Shore hardness wire insulation (Data)     5 5 5 Shore D       Imgredient fleeness wire insulation (Data)     1 28       Diameter of single wires (Data)     1 28       Diameter of single wires (Data)     0,1 mm       Conductor crossection wire (Data)     1 mm <sup>2</sup> Material conductor wire (Data)     Stranded copper wire, bare       Wire conductor type (Data)     strand class 6       Max. rada voltage (conductor "conductor)     300 V       Current load capacity min. wire     5 9.4 A       Current load capacity min. wire (Data)     15 A       Electrical resistance lace constant wire     5 9.0 Km @ 20 °C       Ac wirtshard woltage (wire- sack)     21 W @ 60 s       Min. operafing temperature (was)     90 °C       Operating temperature (was)     90 °C       Operating temperature (was)     90 °C		TPE-E
Shore hardness wire insulation (Data)     S5 ± 5 Shore D       Ingredient freeness wie insulation (Data)     Iead-free, halogen-free, silicone-free, LABS-free       Amount wins (Data)     3       Amount wins (Data)     0,1 mm       Conduction crossection wing (Data)     128       Diameter of angle wines (Data)     0,1 mm       Conductor crossection wing (Data)     Stranded copport wine, bare       Wire conductor free conductor)     300 V       Max, rated voltage (conductor - ground)     300 V       Max, rated voltage (conductor - ground)     300 V       Current load capacity (standard)     150 IN VEE 0288-4       Current load capacity min. wire     5.9 A       Current load capacity min. wire     5.9 A       Current load capacity min. wire     20 Ahm @ 20 °C       Current load capacity min. wire     20 Ahm @ 20 °C       Current load capacity min. wire     21 K/ @ 60 s       Power frequeny withstand voltage (wire - wire)     2 K/ @ 60 s       Min. operating temperature max. (groanic)     90 °C       Operating temperature max. (groanic)     90 °C       Power frequeny withstand voltage (wire - wire)     20 K/ @ 60 s       Max. capacity exploration-r		2,1 mm
Ingredient freeness wire insulation (Data)     lead free, halogen free, silcone free, LABS free       Amount wires (Data)     3       Amount wires (Data)     128       Dameter of single wires (Data)     0,1 mm       Canductor wire (Data)     1 mm <sup>3</sup> Material conductor wire (Data)     Stranded copper wire, bare       Wire conductor wire (Data)     strand class 6       Max, rated voltage (conductor - oround)     300 V       Max, rated voltage (conductor - oround)     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 capacity min. wire     20 O/m	Tolerance outer diameter wire insulation (data)	±5%
Anount wires (Data)     3       Anount wires (Data)     128       Diamater of sing wires (Data)     0,1 mm       Conductor crossection wire (Data)     1 mm <sup>2</sup> Material conductor wire (Data)     Strand dess 6       Max. rated voltage (conductor - conductor)     300 V       Max. rated voltage (conductor - conductor)     300 V       Current load capacity (standard)     to DIN VDE 0296-4       Current load capacity (standard)     to DAIN @ 00 °C       Electrical resistance	Shore hardness wire insulation (Data)	55 ± 5 Shore D
Amount strands wire (Data) 128   Diameter of single wires (Data) 0.1 mm   Conductor rossections wire (Data) Stranded copper wire, bare   Material conductor viee (Data) strand class 6   Max, rated voltage (conductor - conductor) 300 V   Max, rated voltage (conductor - ground) 300 V   Current load capacity (strandard) to DIN VDE 0298 4   Current load capacity (strandard) to DIN VDE 0298 4   Current load capacity (strandard) 15 A   Electrical resistance line constant wire 5.9 A   Current load capacity (strandard) 15 A   Electrical resistance coating wire (Data) 26 Mcm @ 20 °C   AC withstand voltage (wire - wire) 2 kV @ 60 s   Power frequency withstand voltage (wire - grave @ 60 s 2 kV @ 60 s   Min. operating temperature (static) -40 °C   Operating temperature (static) -20 °C   Operating temperature min. (dynamic) -20 °C   Operating temperature min. (dynamic) -20 °C   Operating temperature (static) -40 °C   Baca condition temperature (static) -20 °C   Operating temperature (static) -20 °C	Ingredient freeness wire insulation (Data)	lead-free, halogen-free, silicone-free, LABS-free
Diameter of aingle wires (Data)     0,1 mm       Conductor crossection wire (Data)     1 mm*       Marcinal conductor wire (Data)     strand closes 6       Max, rada voltage (conductor - orgunof)     300 V       Max, rada voltage (conductor - orgunof)     300 V       Current load capacity finit, wire     5.9.A       Current load capacity finit, wire     5.9.A       Current load capacity finit, wire     0.9 C/C       AC withstand voltage (wire / Ubat)     15 A       Electrical resistance constant wire     39 Q/Km @ 20 °C       AC withstand voltage (wire - ubat)     20 V/W @ 60 s       Power frequency withstand voltage (wire - ubat)     2 k/W @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Fame resistance     UL 1581 § 1000 FC       Operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Fame resistance     UL 1581 § 1000 FC       Coperating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature max. (dynamic)     -20 °C       Op	Amount wires (Data)	
Conductor crosssection wire (Data)   1 mm*     Material conductor wire (Data)   Stranded copper wire, bare     Wire conductor yipe (Data)   stranded class 6     Max. rated voltage (conductor - conductor)   300 V     Max. rated voltage (conductor - conductor)   300 V     Current load capacity strander)   to DI NUDE 0298-4     Current load capacity min. wire   5.9 A     Current load capacity min. Wire (Data)   15 A     Electrical resistance coating wire (Data)   20 DIkm @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequeny withstand voltage (wire - jacket)   2 kV @ 60 s     Max. operating temperature (stratic)   90 °C     Operating temperature max. (dynamic)   20 °C     Operating temperature (stratic)   40 °C     Max. operating temperature (stratic)   90 °C     Operating temperature max. (dynamic)   20 °C     Operating temperature max. (dynamic)   90 °C     Otier diameter   Gaod. appli	Amount strands wire (Data)	128
Material conductor wire (Data)     Stranded copper wire, bare       Wire conductor /vpc (Data)     strand class 6       Max, rated voltage (conductor - conductor)     300 V       Gurrent load capacity (strandard)     to DIN VDE Cos96-4       Current load capacity (strandard)     20 DAM @ 20 °C       Electrical resistance (costing wire (Data)     20 DAM @ 20 °C       AC withstand voltage (wire -     2 kV @ 60 s       Power frequency withstand voltage (wire -     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Gasoline resistance     Good, application-related testing       Coll resistance     Good, application-related testing       Coll resistance     Good, application-related testing       Bending radius (strandard)     x Outer di	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data)     strand class 6       Max. rated voltage (conductor - conductor)     300 V       Max. rated voltage (conductor - ground)     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. Wire     5,9 A       Current load capacity min. Wire (Data)     15 A       Electrical resistance ine constant wire     39 Q/km @ 20 °C       Carrent load capacity min. Wire (Data)     2 kV @ 60 s       Power frequency withstard voltage (wire - jacket)     2 kV @ 60 s       Power frequency withstard voltage (wire - jacket)     4 0 °C       Min. oparating temperature (tate)     40 °C       Max. aperating temperature (tate)     90 °C       Operating temperature min. (dynamic)     90 °C       Consenting temperature (tixed)     90 °C       Flame resistance     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090       Chemical resistance     Good, application-related testing       Gascline resistance     Good, application-related testing <td>Conductor crosssection wire (Data)</td> <td>1 mm<sup>2</sup></td>	Conductor crosssection wire (Data)	1 mm <sup>2</sup>
Max. rated voltage (conductor - conductor)     300 V       Max. rated voltage (conductor - orgound)     300 V       Current load capacity min. wire     5.9 A       Current load capacity min. wire     5.9 A       Current load capacity min. wire     39 Q/km @ 20 °C       Electrical resistance coating wire (Data)     20 Q/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - iscket)     2 kV @ 60 s       Power frequency withstand voltage (wire - iscket)     40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Coperating temperature (static)     90 °C       Operating temperature (static)     90 °C       Operating temperature min. (dynamic)     -20 °C       Cortentiot resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Bending radius (installation)     x Outer diameter       Bending radius (installation)     x Outer diameter       Bending radius (fortatil action form     free cable end       No. o	Material conductor wire (Data)	Stranded copper wire, bare
Max. rated voltage (conductor - ground)     300 V       Current load capacity (sindard)     to DIN VDE 0298-4       Current load capacity min. wire     5,9 A       Current load capacity min. wire (Data)     15 A       Electrical resistance inc constant wire     39 O/km @ 20 °C       AC withstand voltage (wire · wire)     2 kV @ 60 s       Power frequency withstand voltage (wire · lacka)     2 kV @ 60 s       Nin. operating temperature (static)     -40 °C       Max. operating temperature (static)     -20 °C       Operating temperature max. (dynamic)     90 °C       Operating temperature max. (dynamic)     90 °C       Old resistance     Good, application-related testing       Old resistance     Good, application-related testing       Old resistance     Good, application-related testing       Old resistance     Good, applic	Wire conductor type (Data)	strand class 6
Max. rated voltage (conductor - ground)     300 V       Current load capacity (sindard)     to DIN VDE 0298-4       Current load capacity min. wire     5,9 A       Current load capacity min. wire (Data)     15 A       Electrical resistance inc constant wire     39 O/km @ 20 °C       AC withstand voltage (wire · wire)     2 kV @ 60 s       Power frequency withstand voltage (wire · lacka)     2 kV @ 60 s       Nin. operating temperature (static)     -40 °C       Max. operating temperature (static)     -20 °C       Operating temperature max. (dynamic)     90 °C       Operating temperature max. (dynamic)     90 °C       Old resistance     Good, application-related testing       Old resistance     Good, application-related testing       Old resistance     Good, application-related testing       Old resistance     Good, applic	Max. rated voltage (conductor - conductor)	300 V
Current load capacity min. Wire 5.9 A   Current load capacity min. Wire (Data) 15 A   Electrical resistance contage wire (Data) 20 Ckm @ 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   Power frequency withstand voltage (wire - wire) 2 kV @ 60 s   Min. operating temperature (static) -40 °C   Max. operating temperature (static) -40 °C   Operating temperature (static) -40 °C   Operating temperature (static) -40 °C   Deparating temperature (static) -90 °C   Operating temperature (static) -90 °C   Commodia temperature (static) -90 °C   Comparison temperature (static) -90 °C   Flame resistance Good, application-related testing   Good, application-related testing 010   Oil resistance Good, application-related testing   Oil resistance Good, application-related testing   Bending radius (installation) x Outer diameter   Bending radius (installation) x Outer diame		300 V
Current load capacity min. Wire (Data)   15 A     Electrical resistance ine constant wire   39 Q.Km @ 20 °C     Electrical resistance coating wire (Data)   20 Q.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 (statlc)   40 °C     Max. operating temperature (statlc)   40 °C     Operating temperature max. (dynamic)   20 °C     Operating temperature max. (dynamic)   90 °C     Flame 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 (installation)   x Outer diameter     Tarvel speed (C-track)   5 Mio. @ 25 °C     Concetton type 2   Family construction form     Family construction form   M12     Gender   female     Color contact carrier   black     Coord   5     PIN 1   +     PIN 2   NC S 2	Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire (Data)   15 A     Electrical resistance ine constant wire   39 Q.Km @ 20 °C     Electrical resistance coating wire (Data)   20 Q.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 (statlc)   40 °C     Max. operating temperature (statlc)   40 °C     Operating temperature max. (dynamic)   20 °C     Operating temperature max. (dynamic)   90 °C     Flame 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 (installation)   x Outer diameter     Tarvel speed (C-track)   5 Mio. @ 25 °C     Concetton type 2   Family construction form     Family construction form   M12     Gender   female     Color contact carrier   black     Coord   5     PIN 1   +     PIN 2   NC S 2	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 - jacket)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (ixed)   90 °C     Operating temperature max. (dynamic)   -20 °C     Operating temperature max. (dynamic)   90 °C     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oli resistance   Good, application-related testing IDI NEN 60811-404     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   8 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     Connection type 2   Family construction form     Family construction form   free cable end     No. of poles   16     Family construction form   M12     Geder   female     Color contact carrier   black     Coding   A <td></td> <td>15 A</td>		15 A
AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - jackel)   2 kV @ 60 s     Min: operating temperature (static)   -40 °C     Max. operating temperature (fixed)   90 °C     Operating temperature max. (dynamic)   -20 °C     Operating temperature max. (dynamic)   90 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2:2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oli resistance   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (installation)   x Outer diameter     Bending radius (softmamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     Connection type 2   Family construction form     Family construction form   free cable end     No. of poles   16     Famile   Gooding     Color contact carrier   black     Coding   A     No. of poles   5     PIN 1   +     PIN 2   NC S 2     PIN 4	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)   2 kV @ 60 s     Min. operating temperature (tstalic)   -40 °C     Max. operating temperature (tixed)   90 °C     Operating temperature (tixed)   90 °C     Operating temperature max. (dynamic)   -20 °C     Operating temperature max. (dynamic)   90 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (fixtallation)   x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (fixtallation)   x Outer diameter     Bending radius (fixtallation)   10 x Outer diameter     Bending radius (fixtallation)   8 x Outer diameter     Bending radius (fixtallation)   10 x Outer diameter     Bending radius (fixtallation)   8 x Outer diameter     Bending radius (fixtallation)   8 x Outer di	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
jacket)Z kV @ b0 sMin. operating temperature (static)40 °CMax. operating temperature (fixed)90 °COperating temperature (incomposition min. (dynamic))-20 °COperating temperature min. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOll resistanceGood, application-related testingOll resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (kited)8 x Outer diameterTravel speed (C-track)5 Mic. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of sples5PIN 1+PIN 2NC S 2PIN 4NO S 1	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operature (fixed)   90 °C     Operating temperature max. (dynamic)   -20 °C     Operating temperature max. (dynamic)   90 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (installation)   x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Family construction form   free cable end     No. of poles   16     Family construction form   M12     Gender   female     Color contact carrier   black     Coding   A     No. of poles   5     PIN 1   +     PIN 2   NC S 2     PIN 3   -     PIN 4   NO S 1		2 kV @ 60 s
Operating temperature min. (dynamic)   -20 °C     Operating temperature max. (dynamic)   90 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   8 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     Connection type 2   Family construction form     Family construction form   free cable end     No. of poles   16     Family construction form   M12     Gender   female     Color contact carrier   black     Coding   A     No. of poles   5     PIN 1   +     PIN 2   NC S 2     PIN 3   -     PIN 4   NO S 1	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)90 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)8 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5FIN 1+FIN 2NC S 2FIN 3-FIN 4NO S 1	Max. operating temperature (fixed)	0° 00
Flame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)8 x Outer diameterBending radius (fixed)8 x Outer diameterBending radius (fixed)8 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 4NO S 1	Operating temperature min. (dynamic)	-20 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)8 x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Operating temperature max. (dynamic)	0° 00
Gasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)8 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)8 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	chemical resistance	Good, application-related testing
Bending radius (installation)x Outer diameterBending radius (fixed)8 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Gasoline resistance	Good, application-related testing
Bending radius (fixed)8 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles16Family 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 °CConnection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Bending radius (fixed)	8 x Outer diameter
Connection type 2Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Bending radius (dynamic)	10 x Outer diameter
Family construction formfree cable endNo. of poles16Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles5PIN 1+PIN 2NC S 2PIN 3-PIN 4NO S 1	Travel speed (C-track)	5 Mio. @ 25 °C
No. of poles16Family 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	16
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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