

## CAP FOR D-BOX M12 8-WAY 4 POLE

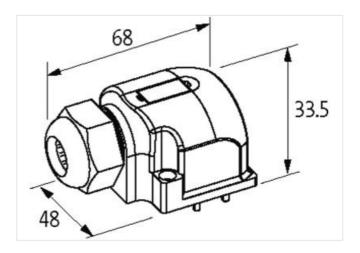
No pot.-sep. 10m PUR, 8x0,5+3x1,0

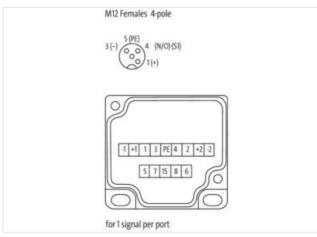
for 8-way distribution box, 4-pole 10.0 m Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

Illustration







Product may differ from Image



Commercial data		
ECLASS-6.0	27143423	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

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ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879365758
Packaging unit	1
Electrical data   Supply	
Total current max.	8 A
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	
Material housing	Plastic
Environmental characteristics   Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	2° 08
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	447
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires with Filler twisted
Stranding factor min.	51 mm
Stranding factor max.	51 mm
Amount stranding (type 2)	1
Stranding (type 2)	9 wires around Stranding combination counter-rotating twisted
Stranding factor min. (type 2)	100 mm
Stranding factor max. (type 2)	100 mm
Filler	yes
wire arrangement	white, yellow, (blue, brown, green-yellow, gray, pink, red, green, black, violet)
Cable weigth	146,3 g/m
Material jacket	PUR
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer-diameter (jacket)	9.4 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	TPE-E
Amount wires	8
Outer diameter insulation	1,8 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
Conductor crosssection (wire)	0,5 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	TPE-E
Outer diameter wire insulation (Data)	2,1 mm
Tolerance outer diameter wire insulation (data)	
Shore hardness wire insulation (Data)	55 ± 3 Shore D

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Amount strands wire (Data)       128         Diameter of single wires (Data)       0.1 mm         Concluctor researchon wire (Data)       Stranded copper wire, bare         Wire conductor wire (Data)       strand class 6         Max. rated voltage (conductor - orgound)       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (min. Wire (Data)       15 A         Electrical resistance line constant wire       39 0.2 km @ 20 °C         Electrical resistance coating wire (Data)       24.V @ 60 a         Ourrent load capacity min. Wire (Data)       15 A         Electrical resistance coating wire (Data)       20.X m @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 a         Power frequency withstand voltage (wire - wire)       2 kV @ 60 a         Power frequency withstand voltage (wire - wire)       2 kV @ 60 a         Power frequency withstand voltage (wire - wire)       2 kV @ 60 a         Diameter coating wire (Data)       90 °C         Operating temperature (max. (dynamic))       40 °C         Operating temperature (max. (dynamic))       90 °C         Operating temperature (max. (dynamic))       90 °C         Control to to the dameter       Good, application-related testing <th>Ingredient freeness wire insulation (Data)</th> <th>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free</th>	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Diameter of single wires (Data)       0,1 mm         Conductor crosssection wire (Data)       1 mm <sup>3</sup> 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 (Data)       15 A         Electrical resistance ine constant wire       39 0/xm @ 20 °C         Electrical resistance conting wire (Data)       20 k/m @ 20 °C         Ac withstand voltage (wire - wire)       2 k/ @ 60 s         Power frequency withstand voltage (wire - wire)       2 k/ @ 60 s         Min. operating temperature (fixed)       90 °C         Operating temperature max. (dynamic)       -40 °C         Constructure max. (dynamic)       90 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         Chemical tresistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gaso	Amount wires (Data)	3
Conductor crosssection wire (Data)       1 mm²         Material conductor wire (Data)       Stranded copper wire, bare         Wire conductor wire (Data)       Stranded copper wire, bare         Max. rated voltage (conductor - conductor)       500 V         Max. rated voltage (conductor - conductor)       500 V         Current load capacity (Islandard)       to DIN VDE 0298-4         Current load capacity min. wire       5,9 A         Operating temperature (static)       -40 °C         Operating temperature (static)	Amount strands wire (Data)	128
Material conductor wire (Data)       Stranded copper wire, bare         Wire conductor ype (Data)       strand class 6         Max, rated voltage (conductor - ground)       300 V         Current load capacity (strandard)       to DIN VDE C298-4         Current load capacity (win wire       5.9 A         Current load capacity (win wire (Data)       15 A         Electrical resistance ine constant wire       39 D/km @ 20 °C         Electrical resistance coasing wire (Data)       20 N/km @ 20 °C         Carrent load capacity (win wire)       24 N/@ 60 s         Power frequency withstand voltage (wire - ice)       24 N/@ 60 s         Power frequency withstand voltage (wire - ice)       24 N/@ 60 s         Max. operating temperature (static)       40 °C         Operating temperature (static)       40 °C         Operating temperature (static)       90 °C         Filame resistance       UL 1581 § 1100 FT2   EC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Good, application-related testing       Good         Good, application-related testing       Stramedee         Good, application-related testing       Good         Coll resistance       Good, application-related testing	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data)   strand class 6     Max. rated voltage (conductor - conductor)   500 V     Current lad capacity (standard)   to DIN VDE 0298-4     Current lad capacity (standard)   to DIN VDE 0298-4     Current lad capacity (standard)   to DIN VDE 0298-4     Current lad capacity min. wire   5.9 A     Current lad capacity min. wire   5.9 A     Current lad capacity min. Wire (Data)   20 D/km @ 20 °C     Electrical resistance coating wire (Data)   20 D/km @ 20 °C     AC withstand voltage (wire - wire)   2 KV @ 60 s     Power frequency withstand voltage (wire - lake)   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     Fiame 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 (installation)   X Outer diameter     Bending radius (installation)   X Outer diameter     Bending radius (installation)   Y Outer diameter     Family construction form   free cable end </td <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)   500 V     Max. rated voltage (conductor - ground)   500 V     Current load capacity (standard)   to DN VDE 028-4     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     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)   40 °C     Operating temperature (static)   40 °C     Operating temperature (fixed)   90 °C     Conscitution (fixed)   40 °C     Banding radius (fixtallation)   40 °C     Electrical existance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Banding radius (fixed)   x Outer diameter     Banding radius (fixed)   x Outer diameter     Banding radius (graminic)   10 × Outer diameter	Material conductor wire (Data)	Stranded copper wire, bare
Max. rated voltage (conductor - ground)   300 V     Current load capacity (standard)   ID IN VDE 0298-4     Current load capacity (standard)   ID IN VDE 0298-4     Current load capacity (standard)   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 - gacket)   2 kV @ 60 s     Min. operating temperature (static)   40 °C     Operating temperature (static)   40 °C     Operating temperature (static)   40 °C     Operating temperature (mixed)   90 °C     Falme resistance   UL 1581 § 1100 FT2   EC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Oir resistance   Sho @ Application-related testing	Wire conductor type (Data)	strand class 6
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       5,9 A         Current load capacity min. wire (Data)       20 Ω/km @ 20 °C         Electrical resistance coating wire (Data)       20 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - avice)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Operating temperature (static)       -40 °C         Operating temperature max. (dynamic)       90 °C         Di resistance       Good, application-related testing         Oil resistance       Good, application-related testing<	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire   5,9 A     Current load capacity min. Wire (Data)   15 A     Electrical resistance contig wire (Poltat)   20 Ω/km @ 20 °C     Electrical resistance contig wire (Poltat)   20 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2 kV @ 60 s     Min. oparating temporature (static)   -40 °C     Max. oparating temporature (static)   -40 °C     Operating temporature (static)   90 °C     Electrical resistance   Good, application-related testing     Gaoine resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Dil resistance   Good, application-related testing     Dil vo Lute diameter   Eanily construction form <td>Max. rated voltage (conductor - ground)</td> <td>300 V</td>	Max. rated voltage (conductor - ground)	300 V
Current load capacity min. Wire (Data)       15 A         Electrical resistance line constant wire       39 O/km @ 20 °C         Electrical resistance line constant wire       39 O/km @ 20 °C         A withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - isother wire)       2 kV @ 60 s         Power frequency withstand voltage (wire)       4 kV @ 60 s         Ax. operating temperature (static)       -40 °C         Awa: operating temperature (static)       -40 °C         Operating temperature max. (dynamic)       90 °C         Operating temperature max. (dynamic)       90 °C         Construct Electrical testing       600 do	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance ine constant wire       39 Ω/km @ 20 °C         Electrical resistance coating wire (Data)       20 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - intervence	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 - acker and	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 °C       Max. operating temperature (fixed)     90 °C       Operating temperature max. (dynamic)     -40 °C       Operating temperature max. (dynamic)     90 °C       Plane 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       Bending radius (installation)     x Outer diameter       Bending radius (installation)     x Outer diameter       Bending radius (fixed)     x Outer diameter       Bending radius (fixed)     5 Mio. @ 25 °C       Connection type 2     Family construction form       Family construction form     free cable end       No. of poles     11       Family construction form     M12       Gender     female       Color contact carrier     black       Coding     A       No. of poles     4       PIN 1     +       PIN 2 <td>Electrical resistance line constant wire</td> <td>39 Ω/km @ 20 °C</td>	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       90 °C         Operating temperature min. (dynamic)       90 °C         Deperating 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         Ol resistance       Good, application-related testing         Ol resistance       Good, application-related testing         Ol resistance       Good, application-related testing         Point radius (installation)       x Outer diameter         Bending radius (installation)       x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         Connection type 2       E         Family construction form       free cable end         No. of poles       11         Family construction form       M12         Gender       female         Color contat carrier       black         Coding       A	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
jacket)       Zwie Bos         Min. operating temperature (static)       40 °C         Max. operating temperature (fixed)       90 °C         Operating temperature (ixed)       90 °C         Operating temperature (ixed)       90 °C         Operating temperature (ixed)       90 °C         Static       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         Oll resistance       Good, application-related testing         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         Connection type 2	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed)   90 °C     Operating temperature min. (dynamic)   -40 °C     Operating temperature max. (dynamic)   90 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332:2:2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Banding radius (installation)   x Outer diameter     Bending radius (istell   x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Trave speed (C-track)   5 Mio. @ 25 °C     Conection type 2   Family construction form     Family construction form   free cable end     No. of poles   11     Family construction form   M12     Gender   female     Color contact carrier   black     Coding   A     No. of poles   4     PIN 1   +     PIN 2   n.c.     PIN 3   -	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic)-40 °COperating temperature max. (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 testingOll resistanceGood, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)x Outer diameterBending radius (qynamic)10 x Outer diameterTravel speed (C-track)5 Mio.@ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO 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 (installation)x Outer diameterBending radius (fixed)x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Max. operating temperature (fixed)	90 °C
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 (installation)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 poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Operating temperature min. (dynamic)	-40 °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)x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Operating temperature max. (dynamic)	90 °C
Gasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oll resistanceGood, application-related testing   DIN EN 60811-404Bending radius (installation)x Outer diameterBending radius (fixed)x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackColor poles4PIN 1+PIN 2n.c.PIN 3-PIN 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 °CConnection type 2Family construction formNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 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 °CConnection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 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 poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 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 poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Bending radius (fixed)	x Outer diameter
Connection type 2Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Bending radius (dynamic)	10 x Outer diameter
Family construction formfree cable endNo. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Travel speed (C-track)	5 Mio. @ 25 °C
No. of poles11Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Connection type 2	
Family construction formM12GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	Family construction form	free cable end
GenderfemaleColor contact carrierblackCodingANo. of poles4PIN 1+PIN 2n.c.PIN 3-PIN 4NO S 1	No. of poles	11
Color contact carrier   black     Coding   A     No. of poles   4     PIN 1   +     PIN 2   n.c.     PIN 3   -     PIN 4   NO S 1	Family construction form	M12
Coding       A         No. of poles       4         PIN 1       +         PIN 2       n.c.         PIN 3       -         PIN 4       NO S 1	Gender	female
No. of poles       4         PIN 1       +         PIN 2       n.c.         PIN 3       -         PIN 4       NO S 1	Color contact carrier	black
PIN 1   +     PIN 2   n.c.     PIN 3   -     PIN 4   NO S 1	Coding	A
PIN 2       n.c.         PIN 3       -         PIN 4       NO S 1	No. of poles	4
PIN 3       -         PIN 4       NO S 1	PIN 1	+
PIN 4 NO S 1	PIN 2	n.c.
	PIN 3	-
PIN 5 PE	PIN 4	NO S 1
	PIN 5	PE

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