

CAP FOR D-BOX M12 4-WAY 5-POLE

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

for 4-way distribution boxes, 5-pole 10.0 m

Further cable lengths on request.

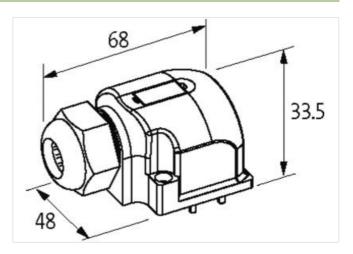
Plastic housings with good resistance against chemicals and oils.

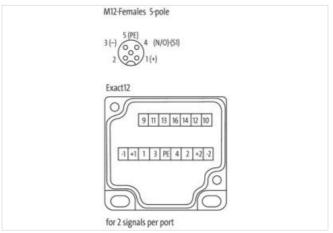
The resistance to aggressive media should be individually tested for your application. Further details on request.

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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Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-02



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ECLASS-10.1	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879055512
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.	80 °C
Additional condition temperature range	depending on cable quality
	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)
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
Conductor crosssection (wire)	0,5 mm ²
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



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Ingredient freeness wire insulation (Data) Isad free, cadmium free, CFC-free, hatogen-free, EABS-free	Shore hardness wire insulation (Data)	55 ± 3 Shore D
Amount strands wire (Data) 128 Diameter of single wires (Data) 0,1 mm Octonuctior or single wires (Data) 1 mm²	Ingredient freeness wire insulation (Data)	
Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 1 mm² Australed conductor wire (Data) Stranded copper wire, bare Wire conductor lype (Data) strand class 6 Max. rated voltage (conductor -conductor) 500 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 159 A	Amount wires (Data)	3
Conductor crosssection wire (Data) 1 mm²	Amount strands wire (Data)	128
Conductor crosssection wire (Data) 1 mm²	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 500 V Current load capacity (standard) to DIN VDE 0298-4 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 loss constant wire 39 Ω/km @ 20 °C Electrical resistance coasting wire (Data) 20 Ω/km @ 20 °C AC withstand voltage (wire - value) 2 kV @ 60 s Power frequency withstand voltage (wire - value) 2 kV @ 60 s Power frequency withstand voltage (wire - value) 2 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature	Conductor crosssection wire (Data)	1 mm ²
Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity standard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A Current load capacity min. Wire (Data) 15 A Electrical resistance coating wire (Data) 20 D/km @ 20 °C Electrical resistance coating wire (Data) 20 D/km @ 20 °C Power frequency withstand voltage (wire - vire) 2 kV @ 60 s Power frequency withstand voltage (wire - vire) 2 kV @ 60 s Power frequency withstand voltage (wire - vire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 40 °C Operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Controll resistance Good, application-related testing Coll resistance Good, application-related testing Coll resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) x Outer diameter Bending radius (fixed) x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C<	Material conductor wire (Data)	Stranded copper wire, bare
Max. rated vollage (conductor - ground) Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. Wire (Data) 15 A Current load capacity min. Wire (Data) 15 A Current load capacity min. Wire (Data) 15 A Sinch @ 20 °C Current load capacity min. Wire (Data) 15 A Sinch @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s 2	Wire conductor type (Data)	strand class 6
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Current load capacity min. Wire (Data) 5,9 A Current load capacity min. Wire (Data) 15 A Electrical resistance line constant wire 39 Ω km @ 20 °C Electrical resistance coating wire (Data) 20 Ω km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power fraquency withstand voltage (wire - lacket) 40 °C Min. operating temperature (static) 40 °C Min. operating temperature (inced) 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 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 (grynamic) 10 x Outer diameter No. of borsion stress ± 180 °/m Termity construction form free cable end No. of poles 11 Family construction form </td <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 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kW @ 60 s Power frequency withstand voltage (wire - wire) 2 kW @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (lixed) 90 °C Operating temperature (lixed) 90 °C Operating temperature max. (dynamic) 40 °C Good, application-related testing 6 Good, application-related testing 6 Good, application-related testing 7 Gline sistance DIN EN 60811-404 Good, application-related testing 8 Bending radius (fixed) × Outer diameter 8 Bending radius (fixed) × Outer diameter 9 Bending radius (gynamic) 10 × Outer diameter 9 No. of bending cycles (C*rack) 5 Min. @ 25 °C No. of bending cycles (C*rack) 5 Min. @ 25 °C Family construction form free cable end No. of poles 11 Family construction form free cable end 6 No. of poles 11 Family construction form M12 Gender [emaile Coding A A No. of poles 5 Family construction form M12 Gender [emaile Coding A A No. of poles 5 Finally construction form M12 Gender [emaile Coding A A No. of poles 5 Finally construction form Fire cable end 1900 Finally Construction form M12 Gender [emaile Coding A A No. of poles 5 Finally construction form 5 No. of poles 5 Finally construction form M12 Gender [emaile Coding A A No. of poles 5 Finally construction form 5 No. of poles 5 Finally construction form 6 No. of poles 7 No. of poles 6 Finally construction form 6 No. of poles 7 Finally construction form 6 No. of poles 7 No. of poles 7 Finally cons	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 20 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 k/V @ 60 s Power frequency withstand voltage (wire - acket) 40 °C Max. 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 DIN EN 60811-404 Good, application-related testing Ul 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 bending cycles (C-track) 5 Mio. @ 25 °C No. ot torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 Family construction form M12 Gender female Color contact carrier back Coding A No. of poles 5 FIN 1 + FIN 2 NO S 1	Current load capacity min. wire	5,9 A
Electrical resistance coating wire (Data)	Current load capacity min. Wire (Data)	15 A
AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acake) 2 kV @ 60 s acaket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (ixed) 90 °C Operating 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 Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) × Outer diameter Bending radius (fixed) × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 Mio. 25 °C No. of torsion cycles 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 5 PIN 1 + P PIN 2 NO. 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 min. (dynamic) 40 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Filame 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 (installation) x Outer diameter Bending radius (installation) x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C No. of bending cycles (C-track) 5 Mio. @ 25 °C No. of poles 11 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 Family construction form M12 Gender female <t< td=""><td>Electrical resistance coating wire (Data)</td><td>20 Ω/km @ 20 °C</td></t<>	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
Acket Acke	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 (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C No. of forsion cycles 0.5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 Family construction form M12 Gender female Color contact carrier black Coding	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 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 (fixed) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bording cycles (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 Family construction form M12 Gender female Color contact carrier black Coding A No. of poles 5 PIN 1 + PIN 2 NC	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 DIN EN 60811-404 Good, application-related testing Dil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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 - <td>Max. operating temperature (fixed)</td> <td>90 °C</td>	Max. operating temperature (fixed)	90 °C
Flame resistance	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 (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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 bending cycles (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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 bending cycles (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Cornection stress ± 180 °/m Connection type 3 **** Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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	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 bending cycles (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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
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Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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 bending cycles (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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
No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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
Torsion stress ± 180 °/m Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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 bending cycles (C-track)	5 Mio. @ 25 °C
Connection type 3 Family construction form free cable end No. of poles 11 Family construction form free cable end No. of poles 13 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 free cable end No. of poles 13 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 free cable end No. of poles 13 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 3	
Family construction form free cable end No. of poles 13 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
No. of poles 13 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 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	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	13
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 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