

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.

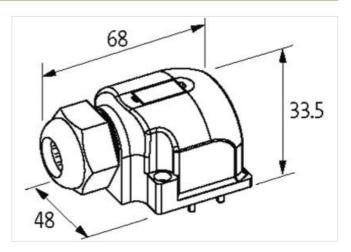
Plastic housings with good resistance against chemicals and oils.

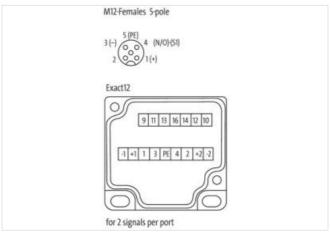
The resistance to aggressive media should be individually tested for your application. Further details on request.

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

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: 2024-05-07



stay connected

ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	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
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
Tolerance outer diameter wire insulation (data)	±5%



Ingredient freeness wire insulation (Data) Island-Kee, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free	Shore hardness wire insulation (Data)	55 ± 3 Shore D
Amount strands wire (Data) 128 Diameter of single wires (Data) 0,1 mm Conductor crossesction wire (Data) 1 mm² Material conductor vire (Data) Stranded copper wire, baire Wire conductor type (Data) Stranded copper wire, baire Wire conductor type (Data) Stranded copper wire, baire Wire conductor type (Data) Stranded copper wire, baire Wire conductor of type (Data) Stranded copper wire, baire Wire conductor of type (Data) Stranded copper wire, baire Wire conductor of type (Data) Stranded copper wire, baire Wire conductor of type (Data) Stranded copper wire, baire Wire conductor of type (Data) Stranded copper wire, baire Wire conductor of type (Data) Stranded copper wire, baire Wire conductor of type (Data) Stranded copper wire, baire Current load capacity min. wire Sp A Current load capacity strander vive Sp A Current load capacity strander vive Sp A Current load capacity wire (Data) 15 A Electrical resistance load control wire (Data) Sp A Current load capacity wire (Data) Sp A Current load capacity wire (Cata) 20 Ω/Lm @ 20 °C Electrical resistance load control wire (Cata) 20 Ω/Lm @ 20 °C Electrical resistance vive wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60 s Power Incupency wiffstand voltage (wire - wire) 2 kV @ 60	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	Amount wires (Data)	3
Conductor crasssection wire (Data) 1 mm²	Amount strands wire (Data)	128
Material conductor wire (Data) Stranded copper wire, bare	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - cyround) 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 Q/km @ 20 °C Electrical resistance conting wire (Data) 20 Q/km @ 20 °C Electrical resistance conting wire (Data) 20 Q/km @ 20 °C Comment of Englancy withstand voltage (wire - jacket) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Min. operating temperature (istatic) -40 °C Max. operating temperature (istatic) -40 °C Max. operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Flame 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) 10	Conductor crosssection wire (Data)	1 mm²
Max. rated voltage (conductor - ground) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 15 A Current load capacity (standard) 15 A Current load capacity min. Wire (Data) 15 A Electrical resistance cline constant wire 39 O.km @ 20 °C Electrical resistance coating wire (Data) 20 O.km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - yisket) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Flame resistance UL. 1581 § 1109 [UL. 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Brending radius (installation) x Outer diameter Bending radius (fixed) x Outer diameter Brending radius (fixed) x Outer diameter Travel spe	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 lost constant wire 39 Ω/km @ 20 °C Electrical resistance coating with (Data) 20 √km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - glack of) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (installation) x Outer diameter Travel speed (C-track) 5 Mio. Outer diameter Torsion stress ± 180 °/m Connection type 3 Farmily construction form free cable end No. of poles	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) 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 Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Flame 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 (gynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 0,5 Mio. Torsion stress ± 180 °/m Family construction form free cab	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 ine constinat wire 30 Mm @ 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 - ipacket) 2 kV @ 60 s Min. operating temperature (static) 40 °C Min. 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 Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (kixed) x Outer diameter Bending radius (kixed) x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of poles 11 x Outer diameter Family construction form free cable end <td< td=""><td>Max. rated voltage (conductor - ground)</td><td>300 V</td></td<>	Max. rated voltage (conductor - ground)	300 V
Current load capacity min. Wire (Data) 15 A Electrical resistance load 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 - jacket) 40 °C Max. Operating temperature (static) 40 °C Goperating temperature (static) 40 °C God, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gir esistance DIN EN 60911-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (static) 10 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 2 180 °/m Connection type 3 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 Finn 1 + Finn 2 No S 1	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 39 Ω/km @ 20 °C	Current load capacity min. wire	5,9 A
Electrical resistance coating wire (Data) 20 \(\text{ Qk W @ 60 s} \)	Current load capacity min. Wire (Data)	15 A
AC withstand voltage (wire - wire)	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)	Electrical resistance coating wire (Data)	20 Ω/km @ 20 °C
Jacket	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 (sinstallation) 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 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	. ,	2 kV @ 60 s
Operating temperature min. (dynamic)	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 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 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 FIN 1 + FIN 2 NC S 2 PIN 3 -	Max. operating temperature (fixed)	90 °C
Flame resistance	Operating temperature min. (dynamic)	-40 °C
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 (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 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 Travel speed (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	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 Travel speed (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	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 Travel speed (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
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 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	Oil resistance	DIN EN 60811-404 Good, application-related testing
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 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
Travel speed (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	Travel speed (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	
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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