COMBI receptacle - PPC 6/10 - 3000702

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COMBI receptacle, nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in / plug connection, number of connections: 2, number of positions: 10, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 82 mm, height: 24.7 mm, color: gray

Your advantages

- For secure and space-saving accommodation of plug-in contacts in cable ducts and distributor shafts
- The Push-in technology COMBI couplings for self-assembly provide solutions that users can implement themselves
- Tested for railway applications

Key Commercial Data

Packing unit	25 pc
GTIN	4 046356 752039
GTIN	4046356752039

Technical data

General

Number of positions	10
Number of levels	1
Number of connections	2
Potentials	10
Nominal cross section	6 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
Maximum load current	41 A (with 6 mm² conductor cross section)
Rated surge voltage	8 kV

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Technical data

General

Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	1.31 W
Designation	Level 1 above 1
Maximum load current	41 A (with 6 mm² conductor cross section)
Nominal current I_N	41 A
Nominal voltage U_N	1000 V
Open side panel	Yes
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	82 mm
End cover width	2.2 mm
Length	47 mm
Height	24.7 mm
Pitch	8.2 mm

Connection data

Connection	1 level
Connection method	Push-in / plug connection
Stripping length	12 mm
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section AWG min.	20

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Technical data

Connection data

Conductor cross section AWG max.	8
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
Internal cylindrical gage	A5

Standards and Regulations

Connection in acc. with standard	IEC 61984
Flammability rating according to UL 94	V0
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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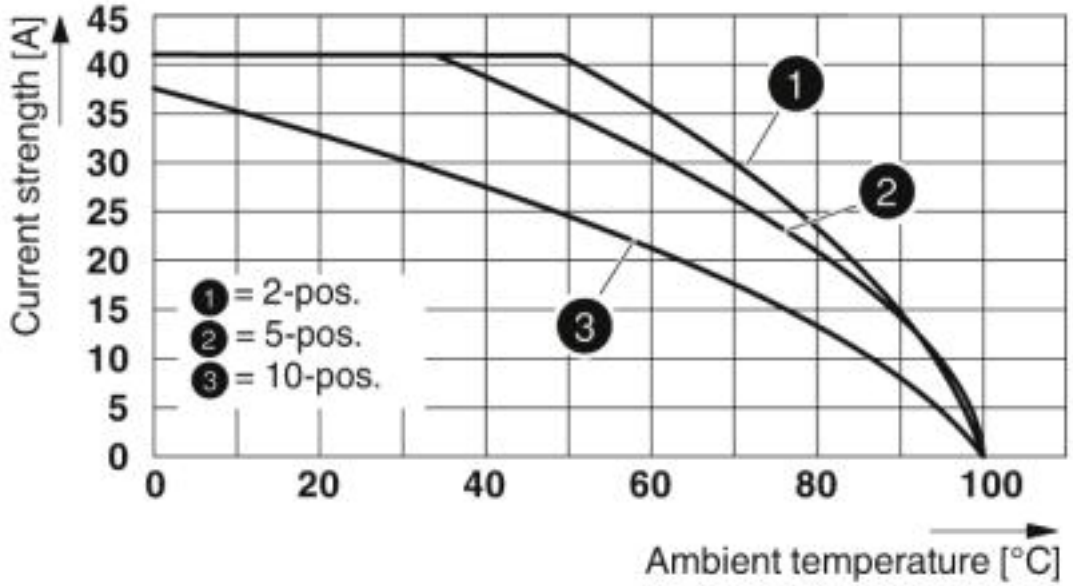
Diagram



Circuit diagram

Approvals

Approvals

Approvals

DNV GL / CSA / BV / LR / UL Recognized / cUL Recognized / IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

Approval details

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Approvals

DNV GL	https://approvalfinder.dnvgl.com/	TAE000015D

CSA	http://www.csagroup.org/services-industries/product-listing/	13631

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	36 A	36 A
mm²/AWG/kcmil	20-8	20-8

BV	http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	45602/A0

LR	http://www.lr.org/en	16/20057

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	40 A	40 A
mm²/AWG/kcmil	20-8	20-8

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	40 A	40 A
mm²/AWG/kcmil	20-8	20-8

IECEE CB Scheme	http://www.iecee.org/	DE1-56601/B1

Nominal voltage UN	1000 V

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Approvals

VDE Gutachten mit Fertigungsüberwachung	VDE	http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40043445

Nominal voltage UN	1000 V

EAC	EAC	RU C-DE.A*30.B.01742

cULus Recognized	c UL us

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