

https://www.phoenixcontact.com/us/products/3043336



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COMBI coupling, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, number of positions: 12, connection method: Spring-cage connection, Rated cross section: 4 mm², cross section: 0.08 mm² - 6 mm², mounting type: on mounting panel, color: gray

Your advantages

· COMBI coupling for direct mounting

Commercial data

Item number	3043336
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	BE2145
GTIN	4046356012874
Weight per piece (including packing)	77.66 g
Weight per piece (excluding packing)	77.66 g
Country of origin	PL



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Technical data

Product properties

Product type	Terminal coupling	
Number of positions	12	
Pitch	6.2 mm	
Number of connections	2	
Number of rows	1	
Insulation characteristics		

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Nominal cross section	4 mm²
Connection method	Spring-cage connection
Stripping length	8 mm 10 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 61984
Conductor cross-section rigid	0.08 mm² 6 mm²
Cross section AWG	28 10 (converted acc. to IEC)
Conductor cross-section flexible	0.08 mm² 4 mm²
Conductor cross-section, flexible [AWG]	28 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² 4 mm²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm² 4 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1 mm²
Nominal current	32 A
Maximum load current	32 A (with 6 mm² conductor cross-section)
Nominal voltage	800 V
Nominal cross section	4 mm²

Dimensions

Width	74.4 mm
End cover width	3.2 mm
Height	31 mm
Drill hole spacing	6.2 mm
Hole diameter	3.5 mm
Pitch	6.2 mm
Plate thickness	0.8 mm 1.5 mm



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Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Mechanical properties

Mechanical data

Open side panel	Yes
Technical data	
Drill hole spacing	6.2 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (storage/transport)	-25 °C 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C 70 °C
Ambient temperature (actuation)	-5 °C 70 °C
Permissible humidity (storage/transport)	30 % 70 %

Standards and regulations

Connection in acc. with standard	IEC 61984
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Mounting

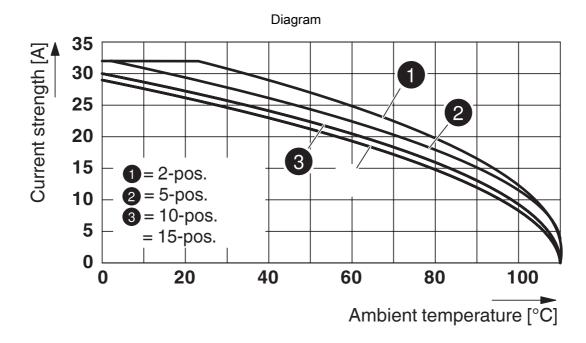
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Mounting type	on mounting panel	

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Drawings



Circuit diagram

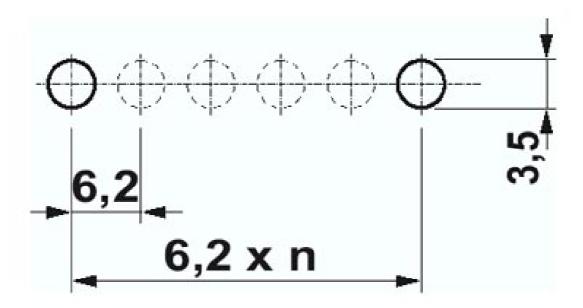




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Drilling plan/solder pad geometry



Drilling plan SC 4-RZ..., example: 1 x SC 4-RZ/ 6, metal thickness: 0.8-1.5 mm



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Classifications

ETIM

	ETIM 8.0	EC002021	
UNSPSC			
	UNSPSC 21.0	39121400	



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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