

# SC 4-RZ/ 2 - COMBI coupling

3042625

<https://www.phoenixcontact.com/us/products/3042625>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## Your advantages

- COMBI coupling for direct mounting

## Commercial data

Item number	3042625
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE02
Product key	BE2145
GTIN	4046356012768
Weight per piece (including packing)	14.147 g
Weight per piece (excluding packing)	14.147 g
Customs tariff number	85366990
Country of origin	PL

# SC 4-RZ/ 2 - COMBI coupling



3042625

<https://www.phoenixcontact.com/us/products/3042625>

## Technical data

### Product properties

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

### 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 mm <sup>2</sup>
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 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Cross section AWG	28 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.08 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	28 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Nominal cross section	4 mm <sup>2</sup>
Nominal current	32 A
Maximum load current	32 A (with 6 mm <sup>2</sup> conductor cross-section)
Nominal voltage	800 V

### Dimensions

Width	12.4 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

# SC 4-RZ/ 2 - COMBI coupling



3042625

<https://www.phoenixcontact.com/us/products/3042625>

## 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
----------------------------------	-----------

## Mounting

Mounting type	on mounting panel
---------------	-------------------

# SC 4-RZ/ 2 - COMBI coupling

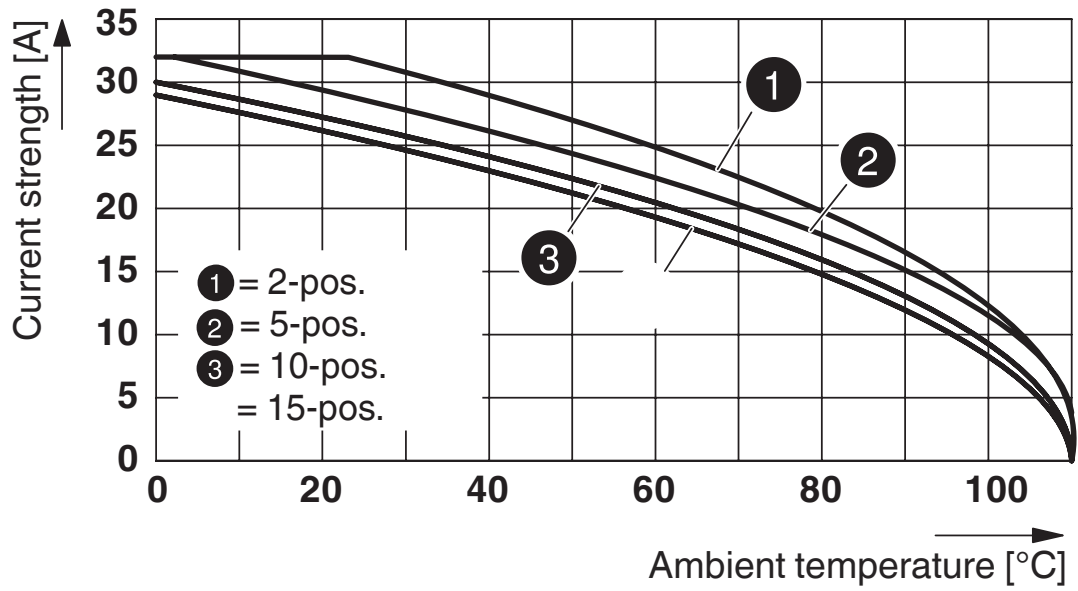
3042625

<https://www.phoenixcontact.com/us/products/3042625>



## Drawings

Diagram



Circuit diagram



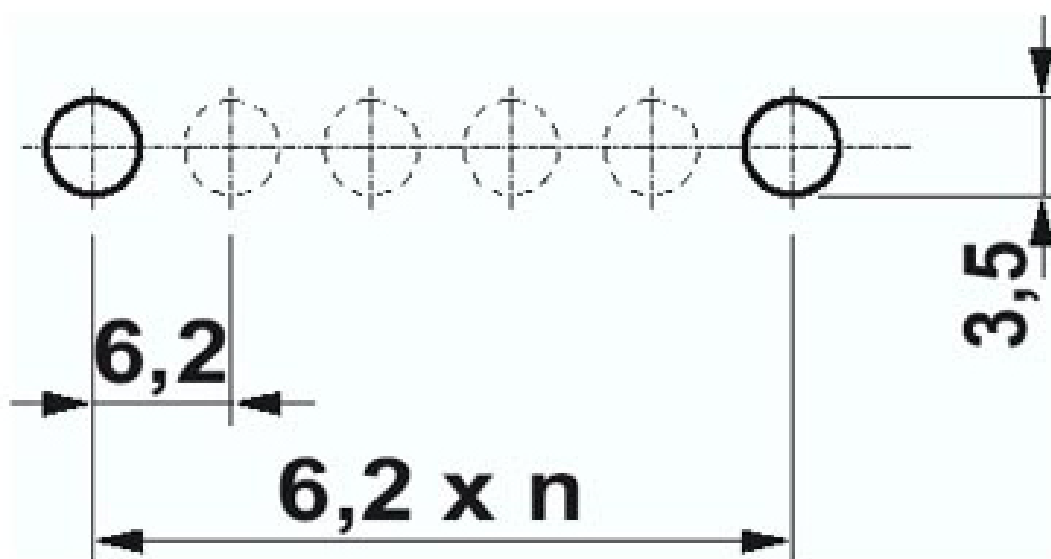
# SC 4-RZ/ 2 - COMBI coupling

3042625

<https://www.phoenixcontact.com/us/products/3042625>



## Drilling plan/solder pad geometry



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

# SC 4-RZ/ 2 - COMBI coupling

3042625

<https://www.phoenixcontact.com/us/products/3042625>



## Classifications

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# SC 4-RZ/ 2 - COMBI coupling



3042625

<https://www.phoenixcontact.com/us/products/3042625>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)