

SC 4-RZ/ 6 - COMBI coupling

3042667

<https://www.phoenixcontact.com/us/products/3042667>

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COMBI coupling, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, number of positions: 6, 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 | 3042667 |
| Packing unit | 25 pc |
| Minimum order quantity | 1 pc |
| Product key | BE2145 |
| Catalog page | Page 342 (C-1-2019) |
| GTIN | 4046356012805 |
| Weight per piece (including packing) | 39.068 g |
| Weight per piece (excluding packing) | 39.068 g |
| Country of origin | PL |

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Technical data

Product properties

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

Dimensions

| | |
|--------------------|-------------------|
| Width | 37.2 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 |
|----------------------------------|-----------|

Mounting

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

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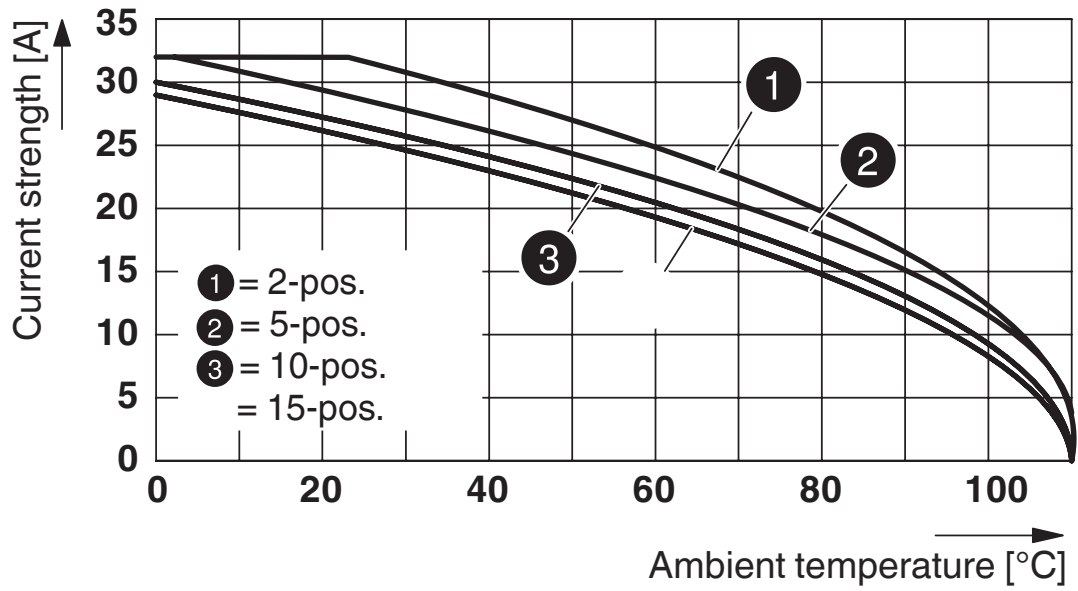
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Drawings

Diagram



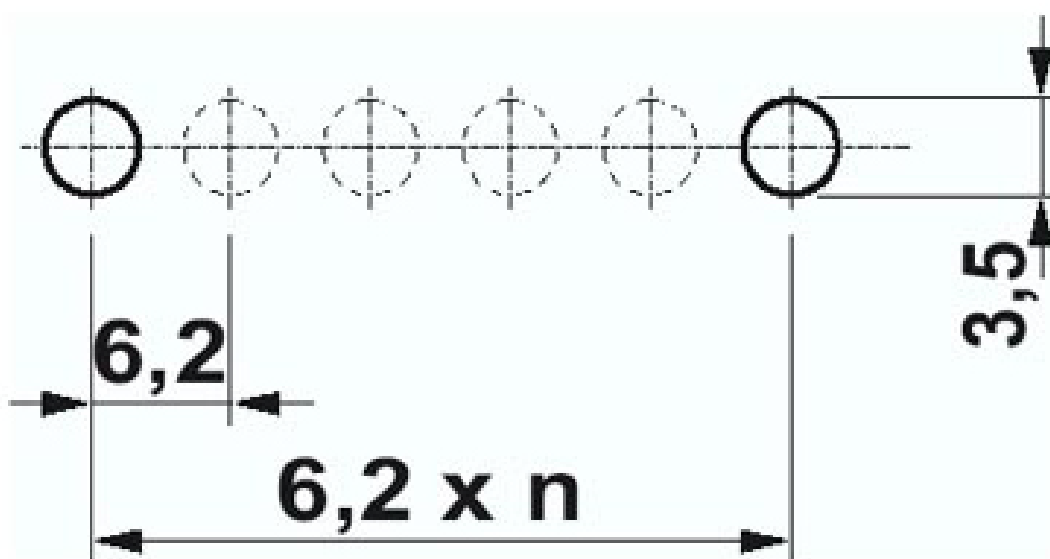
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Drilling plan/solder pad geometry



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

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Circuit diagram



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Classifications

ECLASS

ECLASS-11.0

27141151

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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Accessories

D-SC 4 - End cover

3043307

<https://www.phoenixcontact.com/us/products/3043307>

End cover, depth: 48.6 mm, width: 3.2 mm, height: 22.3 mm, color: gray



CZ/2 - Strain relief

3043831

<https://www.phoenixcontact.com/us/products/3043831>

Strain relief, width: 19.8 mm, height: 28.9 mm, number of positions: 2, color: black



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SZF 1-0,6X3,5 - Screwdriver

1204517

<https://www.phoenixcontact.com/us/products/1204517>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

ST-BW - Actuation tool

1207608

<https://www.phoenixcontact.com/us/products/1207608>



Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages

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PC - Coding star

3040588

<https://www.phoenixcontact.com/us/products/3040588>



Coding star, 4-section, depth: 6 mm, width: 3 mm, height: 3 mm, color: red

MPS-MT - Test plug

0201744

<https://www.phoenixcontact.com/us/products/0201744>



Test plug, with solder connection up to 1 mm² conductor cross section, number of positions: 1, color: gray

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MPS-IH WH - Insulating sleeve

0201663

<https://www.phoenixcontact.com/us/products/0201663>

Insulating sleeve, color: white



MPS-IH RD - Insulating sleeve

0201676

<https://www.phoenixcontact.com/us/products/0201676>

Insulating sleeve, color: red



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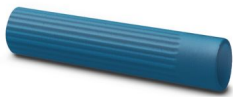


MPS-IH BU - Insulating sleeve

0201689

<https://www.phoenixcontact.com/us/products/0201689>

Insulating sleeve, color: blue



MPS-IH YE - Insulating sleeve

0201692

<https://www.phoenixcontact.com/us/products/0201692>

Insulating sleeve, color: yellow



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MPS-IH GN - Insulating sleeve

0201702

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Insulating sleeve, color: green



MPS-IH GY - Insulating sleeve

0201728

<https://www.phoenixcontact.com/us/products/0201728>

Insulating sleeve, color: gray



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MPS-IH BK - Insulating sleeve

0201731

<https://www.phoenixcontact.com/us/products/0201731>

Insulating sleeve, color: black



ISH 4/0,5 - Insulating sleeve

3002885

<https://www.phoenixcontact.com/us/products/3002885>

Insulating sleeve, color: gray



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ISH 4/1,0 - Insulating sleeve

3002898

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Insulating sleeve, color: black

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