

ST-REL7-HG220/4X21 - Relay connectors

2892465

<https://www.phoenixcontact.com/pc/products/2892465>

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The figure shows version ST-REL 7-HG 24/4X21

Relay connector, equipped with Hengstler miniature round relay, contacts (AgSnO₂+Au): small to large loads, 4 changeover contacts, input voltage 220 V DC, with LED display, pluggable into basic terminal blocks

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2892465 |
| Packing unit | 5 pc |
| Minimum order quantity | 1 pc |
| Product key | DK61B2 |
| GTIN | 4017918078713 |
| Weight per piece (including packing) | 98.59 g |
| Weight per piece (excluding packing) | 100.91 g |
| Customs tariff number | 85364900 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-------------------------|-----------------------|
| Product type | Relay Module |
| Operating mode | 100% operating factor |
| Mechanical service life | approx. 10^7 cycles |

Insulation characteristics

| | |
|----------------------|----|
| Overvoltage category | II |
| Pollution degree | 2 |

Data management status

| | |
|------------------------------|------------|
| Date of last data management | 01.04.2026 |
|------------------------------|------------|

Electrical properties

| | |
|--|--|
| Maximum power dissipation for nominal condition | 1.32 W |
| Test voltage (Winding/contact) | 2 kV AC (50 Hz, 1 min., winding/contact) |
| Test voltage (Changeover contact/changeover contact) | 2 kV AC (50 Hz, 1 min., changeover contact/changeover contact) |

Input data

Coil side

| | |
|--------------------------------|--|
| Nominal input voltage U_N | 220 V DC |
| Input voltage range | 176 V DC ... 242 V DC (20 °C) |
| Drive and function | monostable |
| Drive (polarity) | polarized |
| Typical input current at U_N | 6 mA |
| Typical response time | 15 ms (with DC) |
| Typical release time | 15 ms (with DC) |
| Protective circuit | Damping diode, polarity protection; Damping diode, polarity protection diode |
| Operating voltage display | yes |

Output data

Switching

| | |
|---------------------------------------|--|
| Contact switching type | 4 changeover contacts |
| Type of switch contact | Single contact |
| Contact material | AgSnO, hard gold-plated |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 6 A |
| Maximum inrush current | 6 A |
| Interrupting rating (ohmic load) max. | 120 W (at 24 V DC) 180 W (at 48 V DC) 105 W (at 60 V DC) 60 W (at 110 V DC) |

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| | |
|--|------------------------|
| | 90 W (at 220 V DC) |
| | 1250 VA (for 250 V AC) |

Dimensions

Item dimensions

| | |
|--------|---------|
| Width | 45.6 mm |
| Height | 33 mm |
| Depth | 66.5 mm |

Material specifications

| | |
|-------|------------------|
| Color | green (RAL 6021) |
|-------|------------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

Standards and regulations

| | |
|-----------------------|----------------------------------|
| Standards/regulations | IEC 60664 |
| | IEC 60664A |
| | DIN VDE 0110 |
| | DIN VDE 0109-11, draft |
| | DIN VDE 0160 (in relevant parts) |

Mounting

| | |
|---------------|------------------|
| Mounting type | Plug-in mounting |
|---------------|------------------|

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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2892465>



EAC

Approval ID: RU*C-DE.*08.B.00010

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27371601 |
| ECLASS-15.0 | 27371601 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001437 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39122300 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 3e940985-1eb4-4446-b4fc-31dcdc2a2438 |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 9.591 kg CO2e |
|---------|---------------|

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