

**RIDERSERIES  
RCH S21024**

**Weidmüller Interface GmbH & Co. KG**  
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- Relay with positively driven contacts acc. to EN 50205
- 2 CO contacts or 1 NOC + 1 NCC
- 1500 VA switching capacity
- 6 kV impulse withstand voltage

**General ordering data**

|            |                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">8768680000</a>                                                                                                   |
| Type       | RCH S21024                                                                                                                   |
| Version    | RIDERSERIES, No. of contacts: 2, CO contact, AgNi, Rated control voltage: 24 V DC, Continuous current: 6 A, Screw connection |
| GTIN (EAN) | 4032248437474                                                                                                                |
| Qty.       | 20 pc(s).                                                                                                                    |

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**Technical data**
**Ratings**

|                             |                  |          |                                                |
|-----------------------------|------------------|----------|------------------------------------------------|
| Conductor connection system | Screw connection | Humidity | 40 °C / 93 % rel. humidity,<br>no condensation |
| Weight                      | 20 g             |          |                                                |

**Dimensions and weights**

|            |         |        |         |
|------------|---------|--------|---------|
| Length     | 29 mm   | Width  | 12.6 mm |
| Height     | 25.5 mm | Weight | 20 g    |
| Net weight | 19.65 g |        |         |

**Temperatures**

|                       |                 |                     |  |
|-----------------------|-----------------|---------------------|--|
| Operating temperature | -25 °C...+70 °C | Storage temperature |  |
|-----------------------|-----------------|---------------------|--|

**Input**

|                       |         |                                                   |                |
|-----------------------|---------|---------------------------------------------------|----------------|
| Rated control voltage | 24 V DC | Rated current DC                                  | 29.2 mA        |
| Power rating          | 700 mW  | Pull-in (sparkover) / drop-out voltage DC<br>coil | 18.0 V / 2.4 V |
| Status indicator      | No      |                                                   |                |

**Output**

|                            |         |                    |              |
|----------------------------|---------|--------------------|--------------|
| Max. switching voltage, AC | 250 V   | Continuous current | 6 A          |
| Max. switching power       | 1500 VA | Response time      | 10 ms / 4 ms |

**Contact specifications**

|                  |      |                         |                                       |
|------------------|------|-------------------------|---------------------------------------|
| No. of contacts  | 2    | Contact design          | CO contact                            |
| Contact material | AgNi | Mechanical service life | 10 x 10 <sup>6</sup> switching cycles |

**Insulation coordination**

|                                                                  |        |                                                      |        |
|------------------------------------------------------------------|--------|------------------------------------------------------|--------|
| Clearance and creepage distances for<br>control side - load side | > 8 mm | Creepage and clearance distances<br>between contacts | 5.5 mm |
| Pollution severity                                               | 2      | Surge voltage category                               | III    |

**Other technical data**

|                  |    |                  |    |
|------------------|----|------------------|----|
| Status indicator | No | Free-wheel diode | No |
|------------------|----|------------------|----|

**Further details of approvals / standards**

|           |                    |
|-----------|--------------------|
| Standards | IEC 61810-1, UL508 |
|-----------|--------------------|

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001437    | ETIM 3.0   | EC001437    |
| UNSPSC     | 30-21-19-17 | eClass 4.1 | 39-12-15-35 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |
| eClass 7.0 | 27-37-16-01 |            |             |

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**Technical data**

**Approvals**

Approvals



## RIDERSERIES RCH S21024

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## Drawings

### Electric symbol

**Circuit diagram**  
View of connections

2 changeover contacts



1 NOC + 1 NCC

