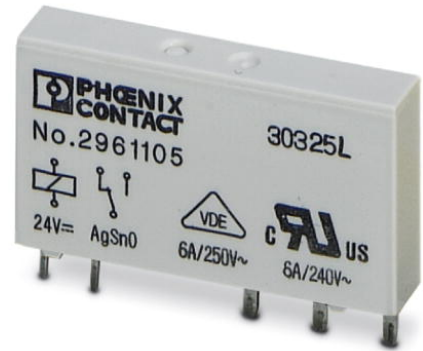


REL-MR- 18DC/21


Order No.: 2961383

The illustration shows the version REL-MR- 24DC/21



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2961383>

Pluggable miniature relay, with power contact, 1 PDT, input voltage 18 V DC

| Commercial data | |
|--------------------------|---|
| GTIN (EAN) |  4 017918 936419 |
| Note | Made-to-order |
| sales group | G084 |
| Pack | 10 pcs. |
| Customs tariff | 85364190 |
| Catalog page information | Page 98 (IF-2011) |

Product notes

WEEE/RoHS-compliant since:
02/09/2006



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

| Technical data | |
|-----------------------------------|----------------------------------|
| Coil side | |
| Nominal input voltage U_N | 18 V DC |
| Nominal input current at U_{IN} | 9 mA |
| Typical response time | 5 ms |
| Typical release time | 2.5 ms |
| Coil resistance | 1906 $\Omega \pm 10\%$ (at 20°C) |

Contact side

| | |
|-----------------------------|-----------------------|
| Contact type | Single contact, 1-PDT |
| Contact material | AgSnO |
| Maximum switching voltage | 250 V AC/DC |
| Minimum switching voltage | 5 V (at 100 mA) |
| Maximum inrush current | (on request) |
| Min. switching current | 10 mA (at 12 V) |
| Limiting continuous current | 6 A |

General data

| | |
|---|----------------------------|
| Width | 5 mm |
| Height | 28 mm |
| Depth | 15 mm |
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Operating mode | 100% operating factor |
| Mechanical service life | 2 x 10 ⁷ cycles |
| Standards/regulations | IEC 60664 |
| | EN 50178 |
| | IEC 62103 |
| Pollution degree | 3 |
| Surge voltage category | III |

Connection data

| | |
|-------------------|--------------------------|
| Connection method | Plug / solder connection |
|-------------------|--------------------------|

Certificates / Approvals



Certification

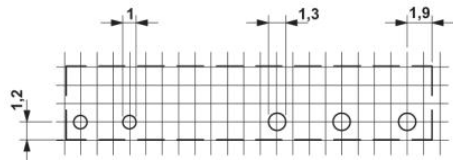
CUL, UL, VDE-PZI, VDE-PZI

Additional products

| Item | Designation | Description |
|----------------|--------------------|--|
| General | | |
| 2961396 | PLC-BSP- 24DC/21RW | 6.2 mm spring-cage connection PLC basic terminal blocks for railway applications, input voltage 24 V DC, input voltage range from $0.7 \times U_N$ to $1.25 \times U_N$, temperature range from -25 °C to $+70\text{ °C}$ (without relay or optocoupler) |

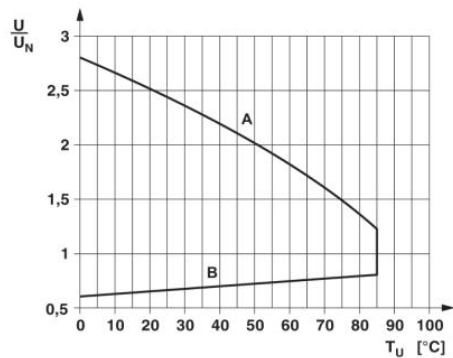
Diagrams/Drawings

Drilling plan/solder pad geometry

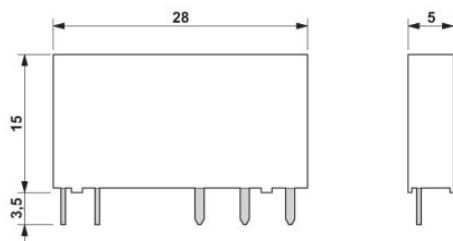


a = pitch division 1.25 mm and 1.27 mm

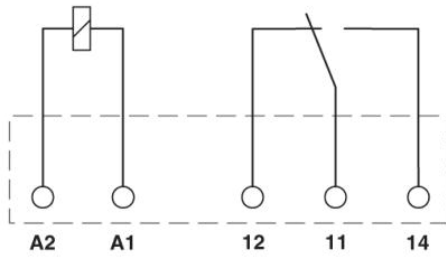
Diagram



Dimensioned drawing



Circuit diagram



Address

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