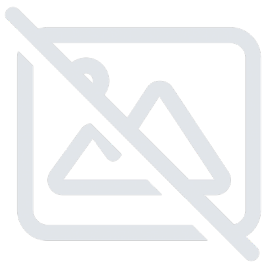


2307293
<https://www.phoenixcontact.com/us/products/2307293>

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Modular timer relay, passing make contact with plug-in miniature relay and screw connection

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2307293 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | C461 |
| Product key | DK623H |
| GTIN | 4017918992743 |
| Weight per piece (including packing) | 72.08 g |
| Weight per piece (excluding packing) | 72.08 g |
| Customs tariff number | 85364900 |
| Country of origin | DE |

Technical data

Product properties

| | |
|-------------------------|--------------------------------|
| Product type | Relay Module |
| Product family | PLC-INTERFACE |
| Operating mode | 100% operating factor |
| Mechanical service life | approx. 2×10^7 cycles |

Insulation characteristics: Air clearances and creepage distances

| | |
|----------------------|--|
| Insulation | Safe isolation, reinforced insulation (partition plate PLC-ATP should be installed for safe isolation between adjacent modules). |
| Overvoltage category | III |
| Pollution degree | 3 |

Data management status

| | |
|------------------------------|------------|
| Date of last data management | 19.03.2025 |
|------------------------------|------------|

Electrical properties

| | |
|---|-------|
| Maximum power dissipation for nominal condition | 0.4 W |
|---|-------|

Input data

Coil side

| | |
|--|--|
| Nominal input voltage U_N | 24 V DC |
| Input voltage range | 19.2 V DC ... 26.4 V DC (20 °C) |
| Nominal voltage (plugged-in electromechanical relay) | 24 V DC |
| Typical input current at U_N | 15 mA (Relay ON) 4.3 mA (Relay OFF) |
| Typical response time | 7 ms |
| Typical release time | 200 ms +130 ms (Typical interval time at U_N) |
| Protective circuit | Surge protection; Freewheeling diode |
| Operating voltage display | Yellow LED |

Output data

Switching

| | |
|-----------------------------|---|
| Contact switching type | Single contact, 1 changeover contact |
| Type of switch contact | Single contact |
| Contact material | AgNi, hard gold-plated |
| Maximum switching voltage | 250 V AC/DC (Separating plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules.) |
| Minimum switching voltage | 12 V AC/DC |
| Limiting continuous current | 10 A |
| Maximum inrush current | 16 A |
| Min. switching current | 100 mA |

PLC-RSC- 24DC/PMC T200/21HC - Timer relay



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Switching: when the gold layer is destroyed

| | |
|---------------------------------------|-----------------------|
| Interrupting rating (ohmic load) max. | 240 W (at 24 V DC) |
| | 144 W (at 48 V DC) |
| | 48 W (at 60 V DC) |
| | 50 W (at 110 V DC) |
| | 80 W (at 220 V DC) |
| | 4000 W (for 250 V AC) |

Connection data

| | |
|----------------------------------|--|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section rigid | 0.14 mm ² ... 2.5 mm ² |
| Conductor cross section flexible | 0.14 mm ² ... 2.5 mm ² |
| | 0.2 mm ² ... 2.5 mm ² (Single ferrule) |
| | 2x 0.5 mm ² ... 1.5 mm ² (TWIN ferrule) |
| Conductor cross section AWG | 26 ... 14 |
| Tightening torque | 0.45 Nm ... 0.55 Nm (Usually these terminal blocks must be supported during conductor connection (held by one hand, supported on the housing)) |

Dimensions

| | |
|--------|-------|
| Width | 14 mm |
| Height | 80 mm |
| Depth | 94 mm |

Material specifications

| | |
|--|------------------|
| Color | green (RAL 6021) |
| Flammability rating according to UL 94 | V0 (Housing) |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 50 °C |

Approvals

Corrosive gas test

| | |
|----------------|----------------------------|
| Identification | ISA-S71.04. G3 Harsh Group |
| | EN 60068-2-60 |

Standards and regulations

Air clearances and creepage distances

| | |
|-----------------------|--------------|
| Standards/regulations | DIN EN 50178 |
|-----------------------|--------------|

PLC-RSC- 24DC/PMC T200/21HC - Timer relay



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Mounting

| | |
|-------------------|---------------------------|
| Mounting type | DIN rail mounting |
| Assembly note | in rows with zero spacing |
| Mounting position | any |

PLC-RSC- 24DC/PMC T200/21HC - Timer relay



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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2307293>



cULus Listed

Approval ID: E140324

PLC-RSC- 24DC/PMC T200/21HC - Timer relay



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Classifications

ECLASS

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

ETIM

| | |
|----------|----------|
| ETIM 9.0 | 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 | aa1417bb-0992-4654-9123-0b59bbdc1617 |

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