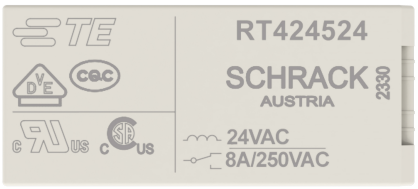
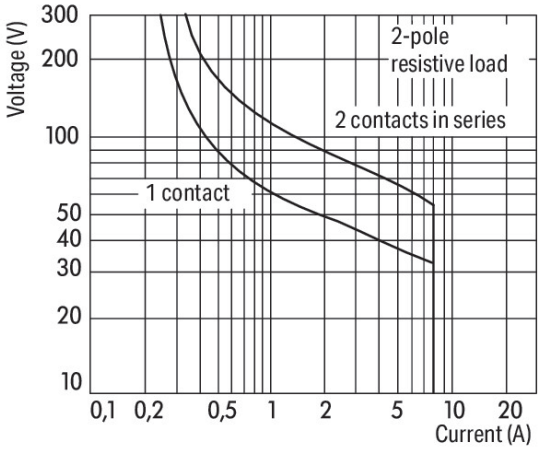
# Data Sheet | Item Number: 788-172

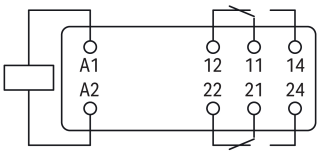
Basic relay; Nominal input voltage: 24 VAC; 2 changeover contacts; Limiting continuous current: 8 A; Module width: 13 mm; Module height: 15 mm

https://www.wago.com/788-172

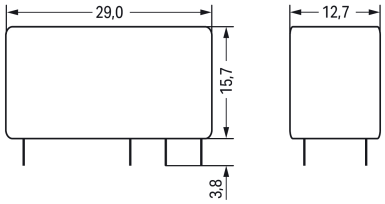



DC load limit curve




Dimensions in mm

## Technical data

### Control circuit

| | |
|---|---|
| Nominal input voltage $U_N$ | 24 VAC |
| Nominal input current at $U_N$ | 7 mA |

### Load circuit

| | |
|---|---|
| Number of changeover/switchover contacts | 2 |
| Contact material (relay) | AgNi 90/10 |
| Limiting continuous current | 8 A |
| Inrush current (resistive) max. | (AC) 15 A / 4 s |
| Switching Voltage, Max. | 250 VAC |
| Switching power (resistive) max. | AC 2000 VA; DC (see load limit curve) |
| Utilization category | AC-15: 3 A / 250 VAC<br>DC-13: 2 A / 24 VDC |
| Recommended minimum load | 12 V / 10 mA |
| Pull-in time (typ.) | 8 ms |
| Drop-out time (typ.) | 6 ms |
| Bounce time (typ.) | 10 ms |
| Electrical life (NO; resistive load; 23 °C) | 10 x $10^3$ switching operations |
| Mechanical life | 30 x $10^6$ switching operations |
| Switching frequency with/without load (max.) | 6 $min^{-1}$ / 1200 $min^{-1}$ |

### Safety and protection

| | |
|---|---|
| Dielectric strength (control/load circuit) (AC, 1 min) | 5 kVrms |
| Dielectric strength (open contact) (AC, 1 min) | 1 kVrms |
| Dielectric strength (load/load circuit) (AC, 1 min) | 2.5 kVrms |

### Physical data

| | |
|---|---|
| Width | 12.7 mm / 0.5 inches |
| Height from the surface | 15.7 mm / 0.618 inches |
| Depth | 29 mm / 1.142 inches |

### Mechanical data

| | |
|---|---|
| Mounting type | Pluggable module |

### Material data

| | |
|---|---|
| Note (material data) | Information on material specifications can be found here |
| Fire load | 0.225 MJ |
| Weight | 12.7 g |

### Environmental requirements

| | |
|---|---|
| Ambient temperature (operation at $U_N$) | -40 … +70 °C |
| Ambient temperature (storage) | -40 … +85 °C |


Continued on next page

## Standards and Specifications

| | |
|---|---|
| Standards/specifications | EN 61810-1 |

## Commercial data

| | |
|---|---|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| PU (SPU) | 20 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454620967 |
| Customs tariff number | 85364900990 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39122333 |
| eCl@ss 10.0 | 27-37-16-01 |
| eCl@ss 9.0 | 27-37-16-01 |
| ETIM 9.0 | EC001437 |
| ETIM 10.0 | EC001437 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant,No Exemption |
| SCIP notification number (Austria) | 975c0cf2-079a-4342-a3ef-1b2eb272dde3 |
| SCIP notification number (Belgium) | b14e9bc3-5a41-4e52-9bf4-a33b132ec211 |
| SCIP notification number (Bulgaria) | f26073b9-f63f-40b5-bbf0-e33fc688710a |
| SCIP notification number (Czech Republic) | d6b95ba2-c642-4bee-96a5-a275c8e65233 |
| SCIP notification number (Denmark) | 111c3d8f-4bc4-46fc-b475-d76f3e53411f |
| SCIP notification number (Finland) | c398ebae-45eb-4cd1-977c-26da016f68d4 |
| SCIP notification number (France) | c09c137f-2abc-4a3e-a09d-f9486a924bf9 |
| SCIP notification number (Germany) | d538de56-99db-4a81-9552-b215a6d572db |
| SCIP notification number (Hungary) | 7a5b4d6f-f22d-4f44-91f7-4c6fd3c06467 |
| SCIP notification number (Italy) | fd35d81f-60fc-42f0-81b0-5018d515ce74 |
| SCIP notification number (Netherlands) | c23e8fa3-836d-4548-8ad0-6934edffa6aa |
| SCIP notification number (Poland) | 6e0fdd45-3df3-4763-ac14-f7d0a2ae805c |
| SCIP notification number (Romania) | bb5e7dec-aaf1-4d5a-a261-d69895f92c88 |
| SCIP notification number (Sweden) | 5bf49490-1ea1-438d-841c-23dd8cc95b97 |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 788-172


Continued on next page

## Documentation

### Bid Text

| | | | |
|---|---|---|---|
| 788-172 | 19.02.2019 | xml<br>3.59 KB | |
| 788-172 | 20.02.2019 | docx<br>15.53 KB | |

## CAD/CAE-Data

### CAD data

2D/3D Models 788-172

### CAE data

WSCAD Universe
788-172

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Socket

##### 1.1.1.1 Socket without relay



Item No.: 788-102
Relay socket; 2 changeover contacts; for 15 mm basic relays; gray