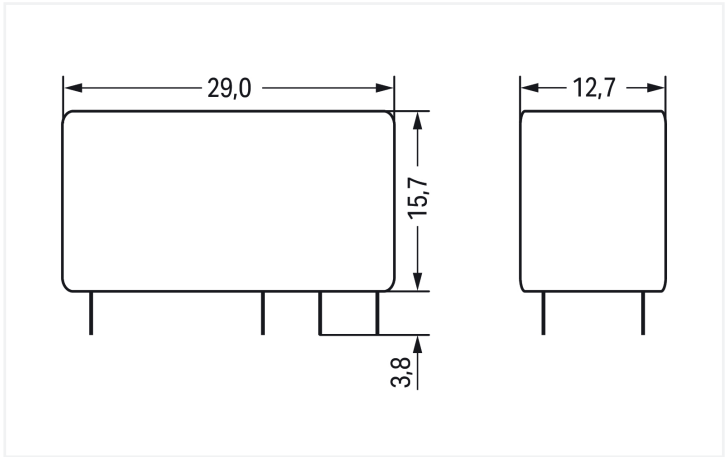
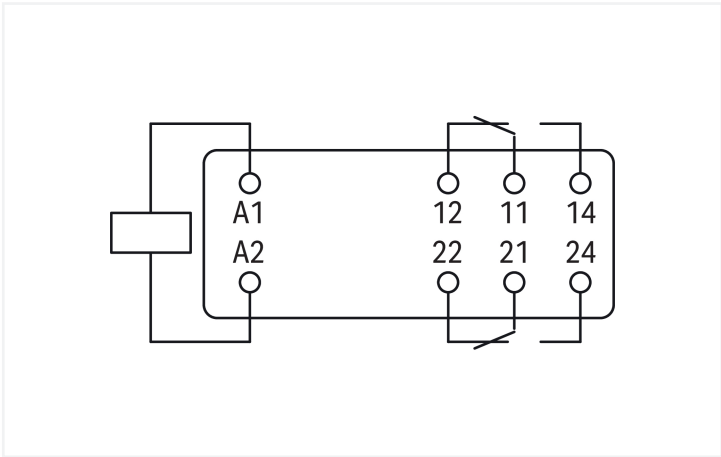
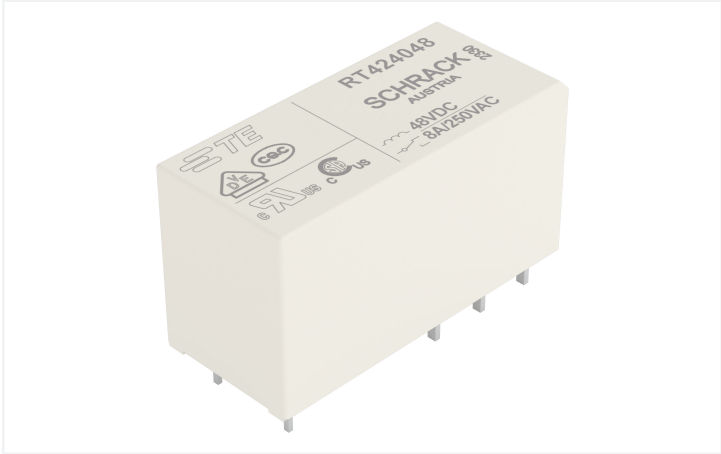


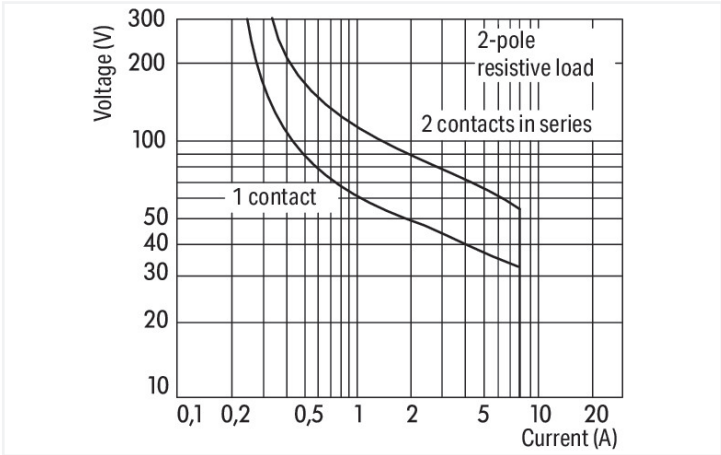
**Data Sheet | Item Number: 788-160**

Basic relay; Nominal input voltage: 48 VDC; 2 changeover contacts; Limiting continuous current: 8 A; Module width: 13 mm; Module height: 15 mm

<https://www.wago.com/788-160>



Dimensions in mm



DC load limit curve



| Technical data                 |        |                                              |                                              |
|--------------------------------|--------|----------------------------------------------|----------------------------------------------|
| Control circuit                |        | Load circuit                                 |                                              |
| Nominal input voltage $U_N$    | 48 VDC | Number of changeover/switchover contacts     | 2                                            |
| Nominal input current at $U_N$ | 9 mA   | 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)        |
|                                |        | Switching capacity                           | AC-15: 3 A / 250 VAC; 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 <sup>3</sup> switching operations    |
|                                |        | Mechanical life                              | 30 x 10 <sup>6</sup> switching operations    |
|                                |        | Switching frequency with/without load (max.) | 6 min <sup>-1</sup> / 1200 min <sup>-1</sup> |

| 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) |  | <a href="#">Information on material specifications can be found here</a> |  |
| Fire load            |  | 0 MJ                                                                     |  |
| Weight               |  | 13.6 g                                                                   |  |

| Environmental requirements                |  |                |  |
|-------------------------------------------|--|----------------|--|
| Ambient temperature (operation at $U_N$ ) |  | -40 ... +85 °C |  |
| Ambient temperature (storage)             |  | -40 ... +85 °C |  |



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

| Commercial data       |                          |
|-----------------------|--------------------------|
| Product Group         | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0           | 27-37-16-01              |
| eCl@ss 9.0            | 27-37-16-01              |
| ETIM 9.0              | EC001437                 |
| ETIM 8.0              | EC001437                 |
| PU (SPU)              | 20 pcs                   |
| Packaging type        | Box                      |
| Country of origin     | AT                       |
| GTIN                  | 4050821867791            |
| Customs tariff number | 85364900990              |

| Environmental Product Compliance          |                                      |
|-------------------------------------------|--------------------------------------|
| CAS-No.                                   | 7439-92-1<br>80-05-7                 |
| REACH Candidate List Substance            | 4,4'-isopropylidenediphenol<br>Lead  |
| RoHS Compliance Status                    | Compliant, No Exemption              |
| SCIP notification number (Austria)        | 2109c70a-c7ca-4b09-8488-1345e31680c3 |
| SCIP notification number (Belgium)        | 25559d32-f8be-4a04-98e4-289706e363ee |
| SCIP notification number (Bulgaria)       | 121e9d65-141d-48e5-b9cd-b50006247cfa |
| SCIP notification number (Czech Republic) | 99fe4663-e215-45e7-bc65-42918587b083 |
| SCIP notification number (Denmark)        | 3c1cb912-f969-46cb-8b8a-a238045eba06 |
| SCIP notification number (Finland)        | 7609bde4-896b-46c4-a175-2f78b9892095 |
| SCIP notification number (France)         | da6a410f-5da1-455f-8a06-7d3a529a7df8 |
| SCIP notification number (Germany)        | af9c171d-6a3f-4df3-9c30-fa3d4500da5b |
| SCIP notification number (Hungary)        | 2f067f95-c01a-4817-821e-679af4f892d7 |
| SCIP notification number (Italy)          | b37cf352-e7f4-4382-9592-572d4ae80f6b |
| SCIP notification number (Netherlands)    | d106c897-72e1-4581-aaf1-58ece2b064b6 |
| SCIP notification number (Poland)         | da69432a-1bbd-40e1-a506-bd2a6a9a84d4 |
| SCIP notification number (Romania)        | 502b3d25-2b1f-49b1-9e2c-cd9a1014bbea |
| SCIP notification number (Sweden)         | e27e1bcb-87e5-4346-8c80-73a06072779e |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-160

↓



Documentation

| Bid Text |            |                  |                   |
|----------|------------|------------------|-------------------|
| 788-160  | 19.02.2019 | xml<br>3.59 KB   | <a href="#">↓</a> |
| 788-160  | 20.02.2019 | docx<br>15.56 KB | <a href="#">↓</a> |

CAD/CAE-Data

| CAD data             |
|----------------------|
| 2D/3D Models 788-160 |
| <a href="#">↓</a>    |

| CAE data                  |
|---------------------------|
| WSCAD Universe<br>788-160 |
| <a href="#">↓</a>         |

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