

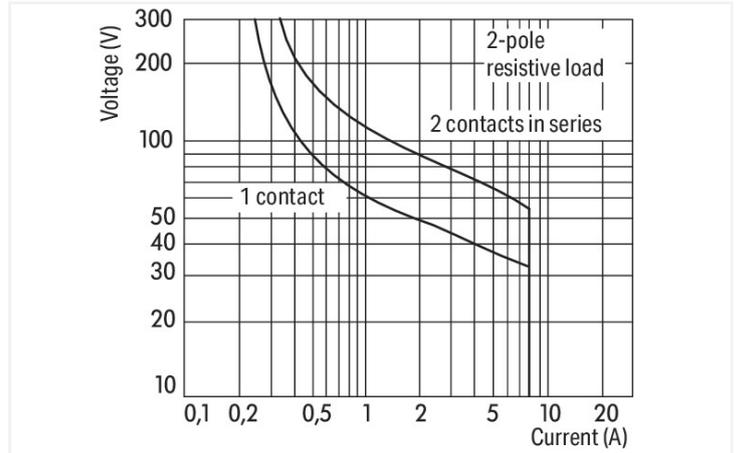
Data Sheet | Item Number: 788-177

Basic relay; Nominal input voltage: 115 VAC; 2 changeover contacts; Limiting continuous current: 8 A; with gold contacts; Module width: 13 mm; Module height: 15 mm

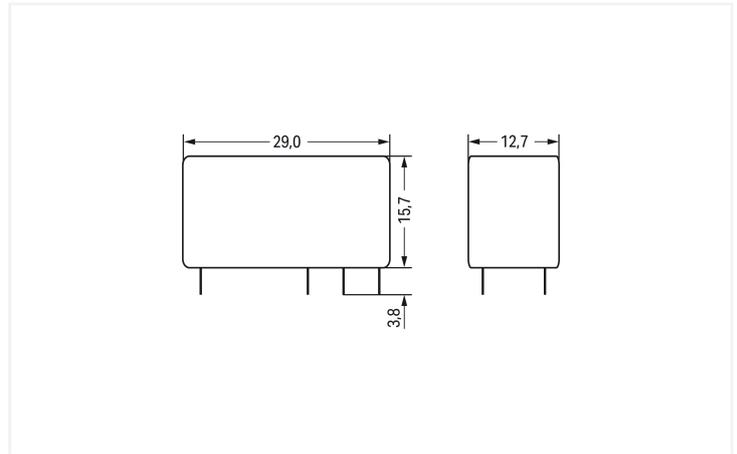
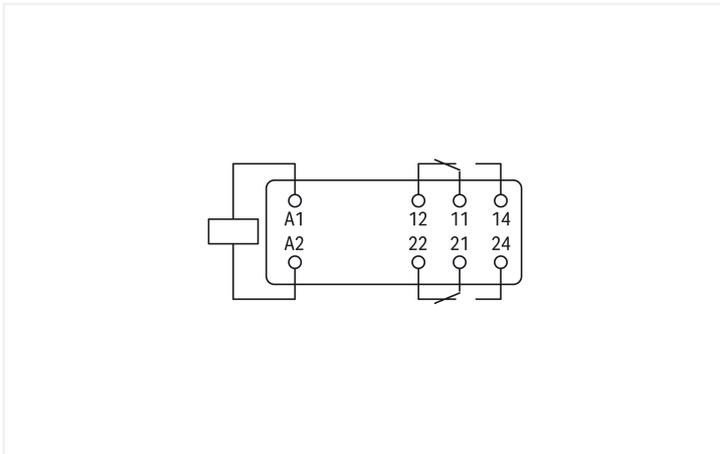
<https://www.wago.com/788-177>



Similar to illustration



DC load limit curve



Dimensions in mm

Notes

Note

To prevent damaging the gold layer, 30 VDC switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life.

Technical data

Control circuit

| | |
|--------------------------------|---------|
| Nominal input voltage U_N | 115 VAC |
| Nominal input current at U_N | 12 mA |

Load circuit

| | |
|--|---|
| Number of changeover/switchover contacts | 2 |
| Contact material (relay) | AgNi + Au |
| Limiting continuous current | 8 A |
| 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 | 5 V / 2 mA / 50 mW |
| Pull-in time (typ.) | 7 ms |

Load circuit

| | |
|---|---|
| Drop-out time (typ.) | 3 ms |
| Electrical life (NO; resistive load; 23 °C) | 10 x 10 ³ switching operations |
| Mechanical life | 30 x 10 ⁶ switching operations |

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 MJ |
| Weight | 12.6 g |

Environmental requirements

| | |
|--|----------------|
| Ambient temperature (operation at U _N) | -40 ... +70 °C |
| Ambient temperature (storage) | -40 ... +85 °C |

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 | 4050821867890 |
| Customs tariff number | 85364900990 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 39122334 |
| 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 |
|------------------------|-------------------------|

Downloads

Environmental Product Compliance

| | |
|--|---|
| Compliance Search | |
| Environmental Product Compliance 788-177 | ↓ |

Documentation

| | | | |
|----------|------------|------------------|---|
| Bid Text | | | |
| 788-177 | 19.02.2019 | xml 3.98 KB | ↓ |
| 788-177 | 20.02.2019 | docx 16.89 KB | ↓ |

CAD/CAE-Data

| | |
|----------------------|---|
| CAD data | |
| 2D/3D Models 788-177 | ↓ |

| | |
|------------------------|---|
| CAE data | |
| WSCAD Universe 788-177 | ↓ |

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