

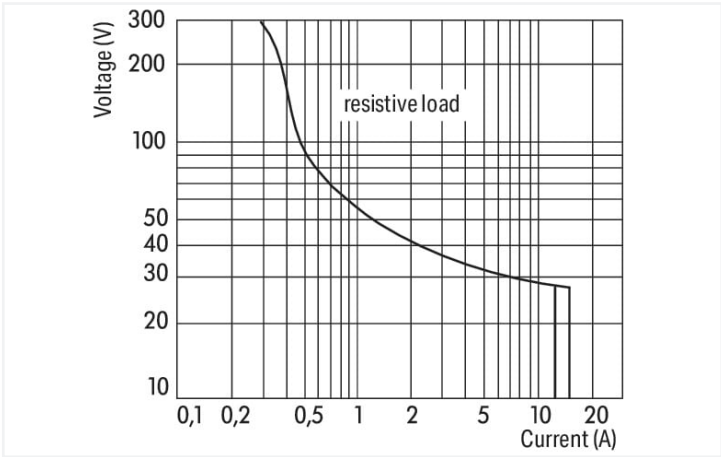
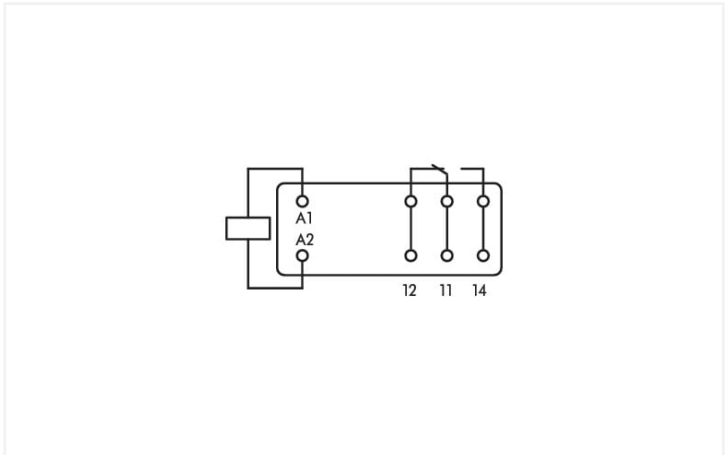
**Data Sheet | Item Number: 788-170**

Basic relay; Nominal input voltage: 24 VAC; 1 changeover contact; Limiting continuous current: 16 A; Module width: 13 mm; Module height: 15 mm

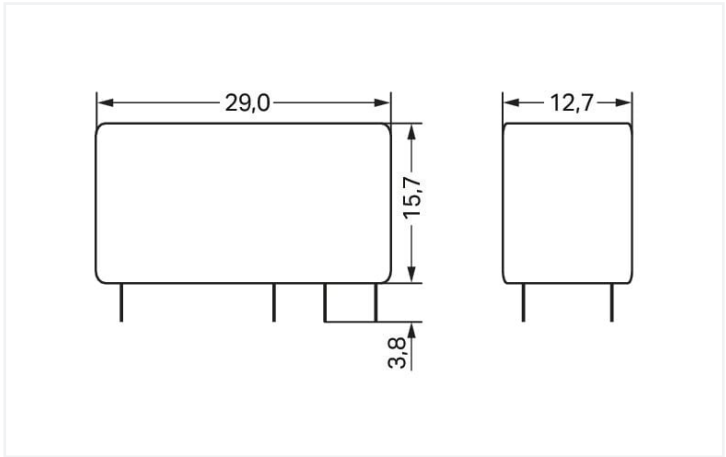
<https://www.wago.com/788-170>



Similar to illustration



DC load limit curve



Dimensions in mm

| Technical data                          |         |                                              |                                              |
|-----------------------------------------|---------|----------------------------------------------|----------------------------------------------|
| Control circuit                         |         | Load circuit                                 |                                              |
| Nominal input voltage U <sub>N</sub>    | AC 24 V | Number of changeover/switchover contacts     | 1                                            |
| Nominal input current at U <sub>N</sub> | 7 mA    | Contact material (relay)                     | AgNi 90/10                                   |
|                                         |         | Limiting continuous current                  | 16 A                                         |
|                                         |         | Inrush current (resistive) max.              | (AC) 30 A / 4 s                              |
|                                         |         | Switching voltage (max.)                     | AC 250 V                                     |
|                                         |         | Switching power (resistive) max.             | AC 4000 VA; DC (see load limit curve)        |
|                                         |         | Switching capacity                           | AC-15: 6 A / AC 250 V; DC-13: 2 A / DC 24 V  |
|                                         |         | Recommended minimum load                     | 12 V / 10 mA                                 |
|                                         |         | Pull-in time (typ.)                          | 8 ms                                         |
|                                         |         | Drop-out time (typ.)                         | 6 ms                                         |
|                                         |         | Bounce time (typ.)                           | 6 ms                                         |
|                                         |         | Electrical life (NO; resistive load; 23 °C)  | 30 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                              |
| 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                                          |  |                                      |
| Fire load                                              |  | 0 MJ                                 |
| Weight                                                 |  | 12.5 g                               |
| Environmental requirements                             |  |                                      |
| Ambient temperature (operation at U <sub>N</sub> )     |  | -40 ... +70 °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 8.0                                               |  | EC001437                             |
| ETIM 7.0                                               |  | EC001437                             |
| PU (SPU)                                               |  | 20 pcs                               |
| Packaging type                                         |  | Box                                  |
| Country of origin                                      |  | AT                                   |
| GTIN                                                   |  | 4050821867852                        |
| Customs tariff number                                  |  | 85364900990                          |
| Environmental Product Compliance                       |  |                                      |
| CAS-No.                                                |  | 80-05-7                              |
| REACH Candidate List Substance                         |  | 4,4'-isopropylidenediphenol          |
| RoHS Compliance Status                                 |  | Compliant, No Exemption              |
| SCIP notification number (Austria)                     |  | dff91e61-7cc2-4a32-aacd-d11dbbe5395f |
| SCIP notification number (Belgium)                     |  | c992ca89-2800-4169-ae6a-a53189682977 |
| SCIP notification number (Bulgaria)                    |  | c05de5d0-ccf6-4434-858c-42d12e395cbc |
| SCIP notification number (Czech Republic)              |  | f1d89f99-8c77-49db-aae0-c6af6d44a49e |
| SCIP notification number (Denmark)                     |  | a9053a49-3bec-4eba-91a4-b869ffa42cd7 |
| SCIP notification number (Finland)                     |  | ea36caa1-0880-40c2-8721-ccb96aa2301  |
| SCIP notification number (France)                      |  | 9e1e3c80-5511-4d45-aab9-4d7a88835185 |
| SCIP notification number (Germany)                     |  | 2448f1cc-e2b2-490d-a607-61305510a516 |
| SCIP notification number (Hungary)                     |  | 5570253f-c2c5-4830-8137-2f614398e997 |
| SCIP notification number (Italy)                       |  | a9da0dcb-dc15-42b8-986d-d420c300a760 |
| SCIP notification number (Netherlands)                 |  | 795d680a-165b-4385-886d-949cab0fe041 |



| Environmental Product Compliance   |                                      |
|------------------------------------|--------------------------------------|
| SCIP notification number (Poland)  | 7a2340c6-b9aa-4878-af10-0cc976615d3a |
| SCIP notification number (Romania) | 79d7aa56-25ab-4247-99ee-ecd63ee9d552 |
| SCIP notification number (Sweden)  | 08264468-833f-4850-82b7-0eae4f782ba0 |

| Downloads                                |                                                                                   |
|------------------------------------------|-----------------------------------------------------------------------------------|
| Environmental Product Compliance         |                                                                                   |
| Compliance Search                        |                                                                                   |
| Environmental Product Compliance 788-170 |  |

| Documentation |            |                  |                                                                                   |  |
|---------------|------------|------------------|-----------------------------------------------------------------------------------|--|
| Bid Text      |            |                  |                                                                                   |  |
| 788-170       | 19.02.2019 | xml<br>3.49 KB   |  |  |
| 788-170       | 20.02.2019 | docx<br>15.18 KB |  |  |

| CAD/CAE-Data                                                                                             |                                                                                                              |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| CAD data                                                                                                 | CAE data                                                                                                     |
| 2D/3D Models 788-170  | WSCAD Universe 788-170  |

| 1 Compatible Products        |
|------------------------------|
| 1.1 Optional Accessories     |
| 1.1.1 Socket                 |
| 1.1.1.1 Socket without relay |



**Item No.: 788-100**  
Relay socket; 1 changeover contact; for 15 mm basic relays; gray