

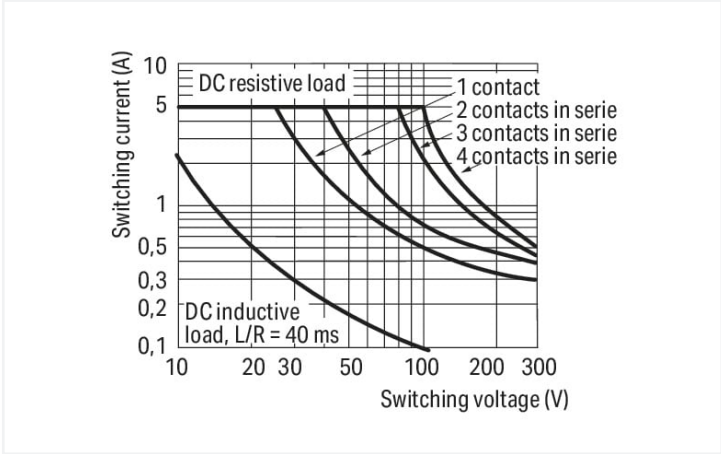
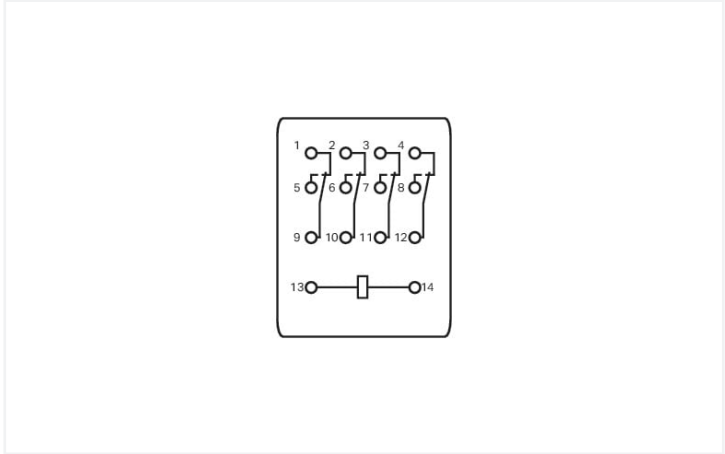
Data Sheet | Item Number: 858-158

Basic relay; Nominal input voltage: 120 VAC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation

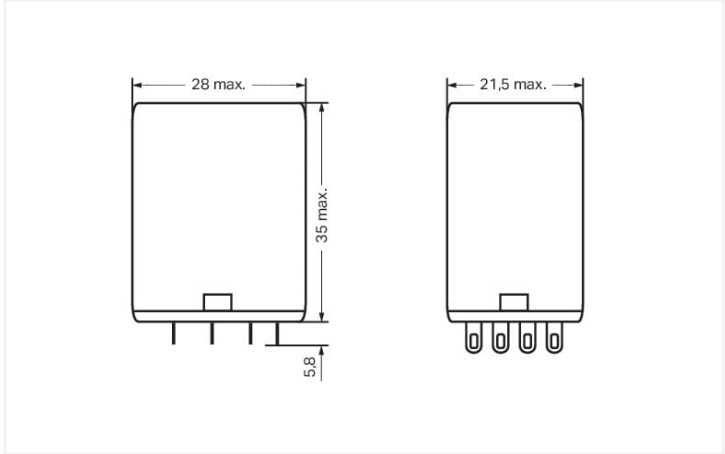
<https://www.wago.com/858-158>



Similar to illustration



DC load limit curve



Dimensions in mm

| Technical data                 |          |                                             |                                            |
|--------------------------------|----------|---------------------------------------------|--------------------------------------------|
| Control circuit                |          | Load circuit                                |                                            |
| Nominal input voltage $U_N$    | AC 120 V | Number of changeover/switchover contacts    | 4                                          |
| Nominal input current at $U_N$ | 10 mA    | Contact material (relay)                    | AgCe                                       |
|                                |          | Limiting continuous current                 | 5 A                                        |
|                                |          | Inrush current (resistive) max.             | (AC) 15 A / 4 s                            |
|                                |          | Switching voltage (max.)                    | AC 250 V                                   |
|                                |          | Switching power (resistive) max.            | AC 1250 VA; DC (see load limit curve)      |
|                                |          | Recommended minimum load                    | 12 V / 100 mA                              |
|                                |          | Pull-in time (typ.)                         | 25 ms                                      |
|                                |          | Drop-out time (typ.)                        | 25 ms                                      |
|                                |          | Bounce time (typ.)                          | 4 ms                                       |
|                                |          | Electrical life (NO; resistive load; 23 °C) | 100 x 10 <sup>3</sup> switching operations |
|                                |          | Mechanical life                             | 20 x 10 <sup>6</sup> switching operations  |



| Signaling        |                       |
|------------------|-----------------------|
| Status indicator | Red LED<br>Mechanical |

| Safety and protection                                  |           |
|--------------------------------------------------------|-----------|
| Dielectric strength (control/load circuit) (AC, 1 min) | 1.5 kVrms |
| Dielectric strength (open contact) (AC, 1 min)         | 1 kVrms   |
| Dielectric strength (load/load circuit) (AC, 1 min)    | 1.5 kVrms |
| Protection type                                        | IP20      |

| Physical data           |                        |
|-------------------------|------------------------|
| Width                   | 21.5 mm / 0.846 inches |
| Height from the surface | 35 mm / 1.378 inches   |
| Depth                   | 28 mm / 1.102 inches   |

| Mechanical data |                  |
|-----------------|------------------|
| Mounting type   | Pluggable module |

| Material data |        |
|---------------|--------|
| Fire load     | 0 MJ   |
| Weight        | 34.2 g |

| Environmental requirements                |                |
|-------------------------------------------|----------------|
| Ambient temperature (operation at $U_N$ ) | -25 ... +70 °C |
| Ambient temperature (storage)             | -40 ... +80 °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)              | 3 pcs                    |
| Packaging type        | Box                      |
| Country of origin     | CN                       |
| GTIN                  | 4055143532044            |
| Customs tariff number | 85364190890              |



| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Downloads                                |                   |
|------------------------------------------|-------------------|
| Environmental Product Compliance         |                   |
| Compliance Search                        |                   |
| Environmental Product Compliance 858-158 | <a href="#">↓</a> |

| Documentation |            |     |          |                   |
|---------------|------------|-----|----------|-------------------|
| Bid Text      |            |     |          |                   |
| 858-158       | 29.11.2018 | doc | 25.00 KB | <a href="#">↓</a> |
| 858-158       | 19.02.2019 | xml | 3.99 KB  | <a href="#">↓</a> |

| CAD/CAE-Data         |                           |
|----------------------|---------------------------|
| CAD data             | CAE data                  |
| 2D/3D Models 858-158 | EPLAN Data Portal 858-158 |
| <a href="#">↓</a>    | <a href="#">↓</a>         |
|                      | WSCAD Universe 858-158    |
|                      | <a href="#">↓</a>         |
|                      | ZUKEN Portal 858-158      |
|                      | <a href="#">↓</a>         |

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



|                                     |
|-------------------------------------|
| Item No.: <a href="#">858-100</a>   |
| Relay socket; 4 changeover contacts |