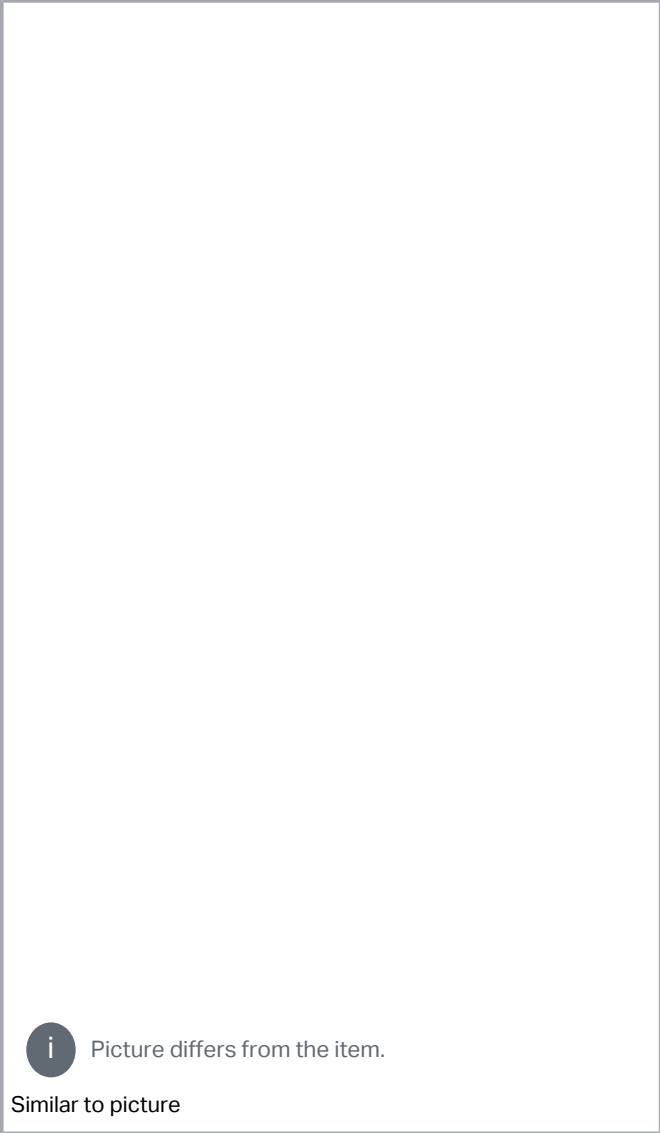


**Data sheet | Item number: 858-166**

Basic relay; Nominal input voltage: 220 VDC; 4 changeover contacts;  
Limiting continuous current: 5 A; with manual operation; Module width: 22  
mm

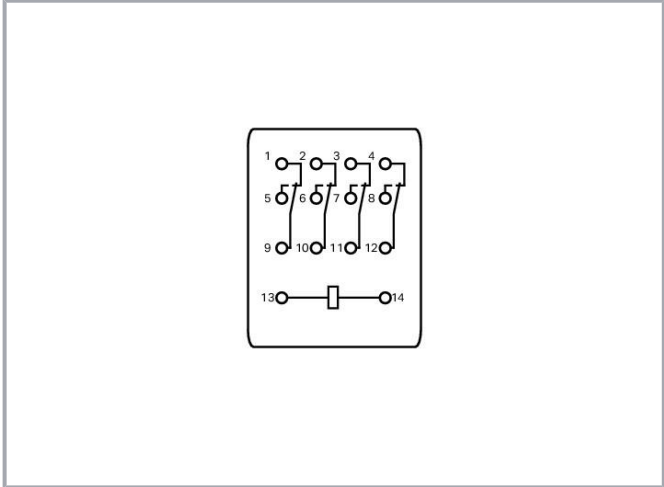


[www.wago.com/858-166](http://www.wago.com/858-166)



 Picture differs from the item.

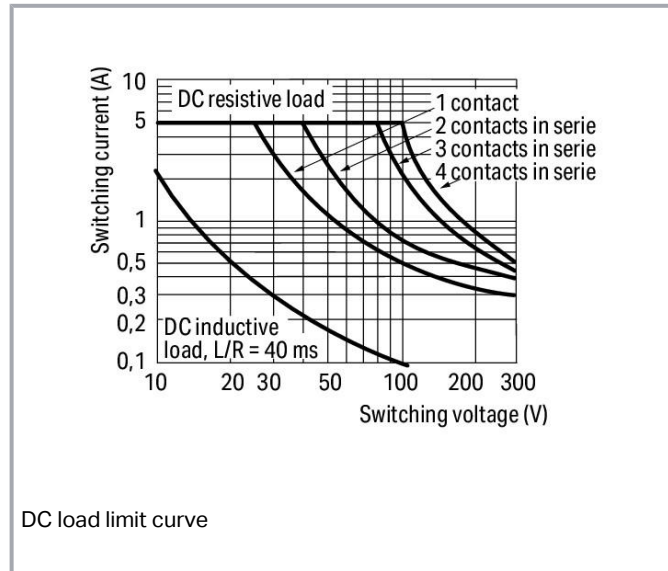
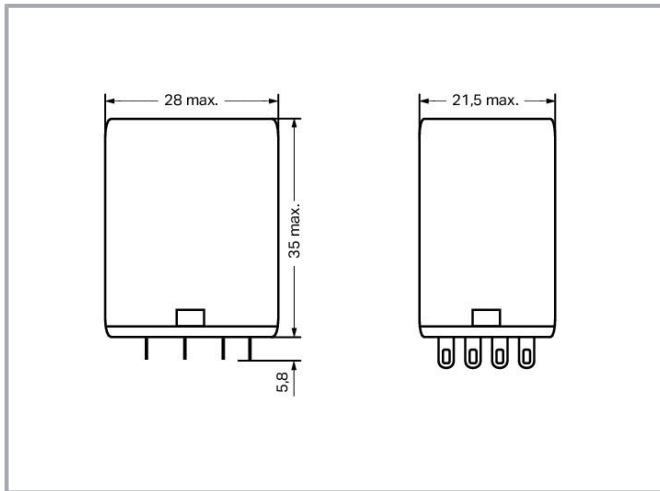
Similar to picture



Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Data

### Technical data

### Control circuit

Nominal input voltage $U_N$	DC 220 V
Nominal input current at $U_N$	4.1 mA

### Load circuit

Number of changeover/switchover contacts	4
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

Subject to changes. Please also observe the further product documentation!



## Signaling

Status indicator	Red LED 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 inch
Height from the surface	35 mm / 1.378 inch
Depth	28 mm / 1.102 inch

## Mechanical data

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

## Material data

Weight	30.9 g
--------	--------

## Environmental requirements

Surrounding air temperature (operation at $U_N$ )	-25 ... 70 °C
Surrounding air temperature (storage)	-40 ... 80 °C

## Standards and specifications

Standards/Specifications	EN 61810-1
--------------------------	------------

## Commercial data

PU (SPU)	3 Each
Packaging type	box
Country of origin	DE
GTIN	4055143693301
Customs tariff number	85364900990

Subject to changes. Please also observe the further product documentation!



## Downloads

### Documentation

#### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
--	---------	-----------------	----------

---

## CAD/CAE-Data

### CAD data

2D/3D Models 858-166	URL	Download
----------------------	-----	----------

---

### CAE data

ZUKEN Portal 858-166	URL	Download
----------------------	-----	----------

---

EPLAN Data Portal 858-166	URL	Download
---------------------------	-----	----------

---

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 858-166 Basic relay; Nominal input voltage: 220 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm	URL	Download
--	-----	----------

---

## Installation Notes

Subject to changes. Please also observe the further product documentation!