

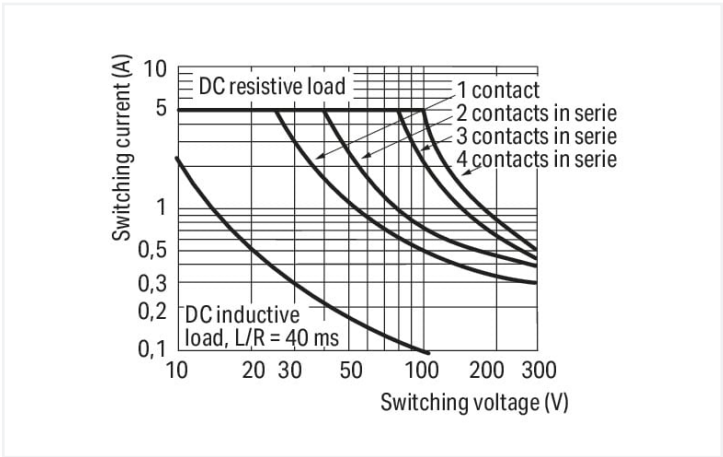
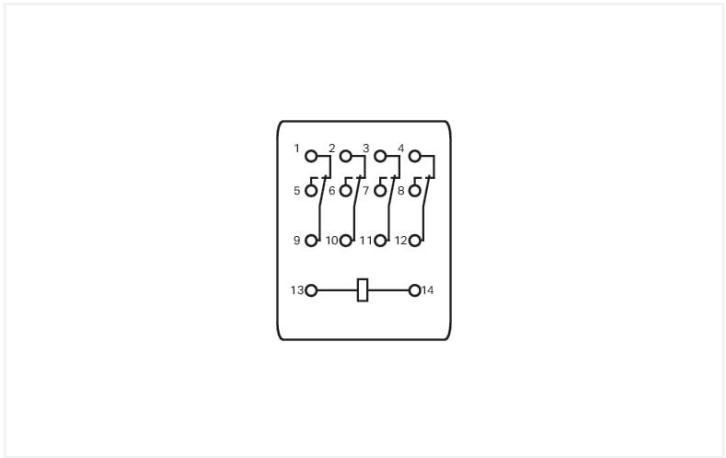
Data Sheet | Item Number: 858-166

Basic relay; Nominal input voltage: 220 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 35mm

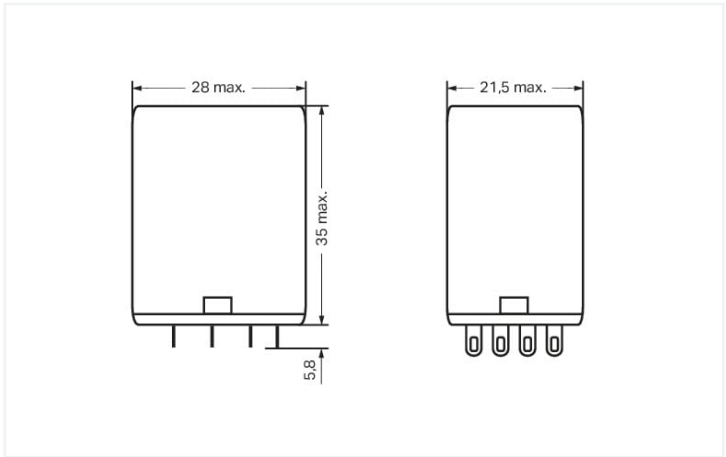
<https://www.wago.com/858-166>



Similar to illustration



DC load limit curve



Dimensions in mm

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	DC 220 V	Number of changeover/switchover contacts	4
Nominal input current at U_N	5 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 ³ switching operations
		Mechanical life	20 x 10 ⁶ switching operations



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 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	30.9 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	
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	DE
GTIN	4055143693301
Customs tariff number	85364900990



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 858-166	

CAD/CAE-Data

CAD data	
2D/3D Models 858-166	

CAE data	
EPLAN Data Portal 858-166	
ZUKEN Portal 858-166	