

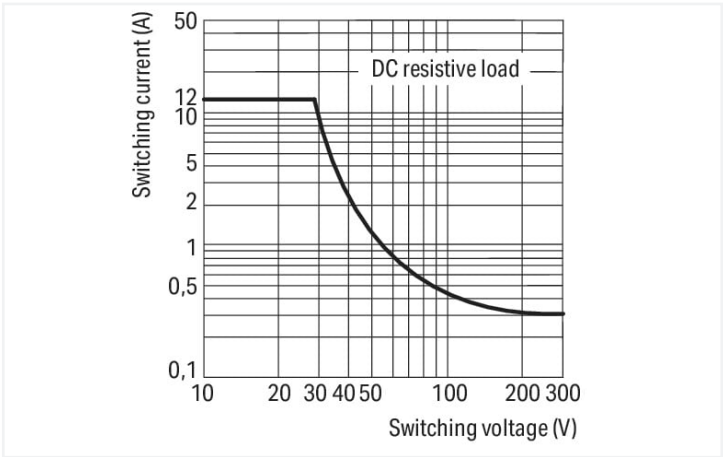
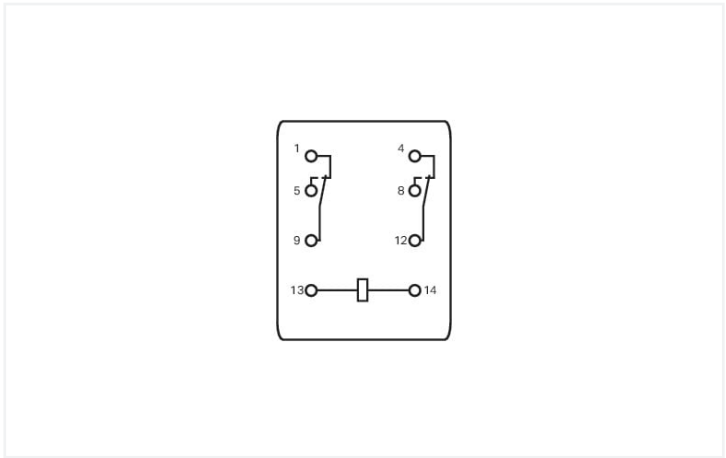
Data Sheet | Item Number: 858-181

Basic relay; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 12 A; with manual operation; Module width: 22 mm; Module height: 35mm

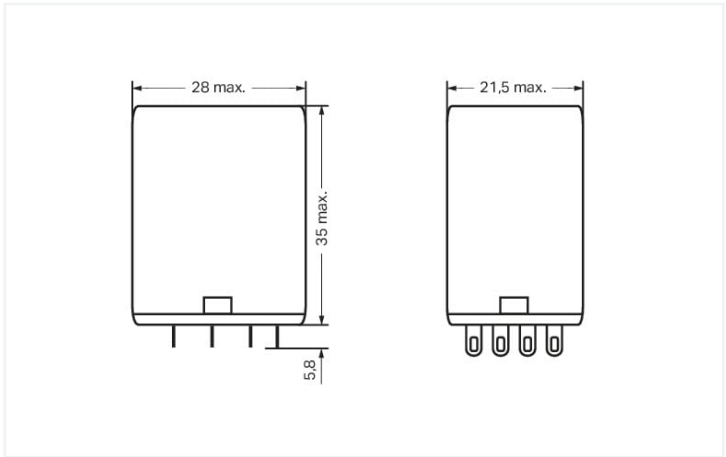
<https://www.wago.com/858-181>



Similar to illustration



DC load limit curve



Dimensions in mm

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	DC 24 V	Number of changeover/switchover contacts	2
Nominal input current at U_N	38 mA	Contact material (relay)	AgNi
		Limiting continuous current	12 A
		Inrush current (resistive) max.	(AC) 24 A / 4 s
		Switching voltage (max.)	AC 250 V
		Switching power (resistive) max.	AC 3000 VA; DC (see load limit curve)
		Switching capacity	AC-15: 1.5 A / AC 240 V; DC-13: 0.1 A / DC 250 V
		Recommended minimum load	10 V / 5 mA / 300 mW
		Pull-in time (typ.)	13 ms
		Drop-out time (typ.)	3 ms
		Electrical life (NO; resistive load; 23 °C)	100 x 10 ³ switching operations
		Mechanical life	20 x 10 ⁶ switching operations
		Switching frequency with/without load (max.)	20 min ⁻¹ / 200 min ⁻¹



Signaling	
Status indicator	Red LED Mechanical

Safety and protection	
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1.5 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	2.5 kVrms
Protection type	IP20

Physical data	
Width	21.2 mm / 0.835 inches
Height from the surface	35.6 mm / 1.402 inches
Depth	27.5 mm / 1.083 inches

Mechanical data	
Mounting type	Pluggable module

Material data	
Fire load	0 MJ
Weight	32.9 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	
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	4055143693295
Customs tariff number	85364900990



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 858-181	↓

Documentation			
Additional Information			
858-181	24.08.2020	xml 4.67 KB	↓
858-181	24.08.2020	docx 14.35 KB	↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 858-181	EPLAN Data Portal 858-181
↓	↓
	ZUKEN Portal 858-181
	↓