

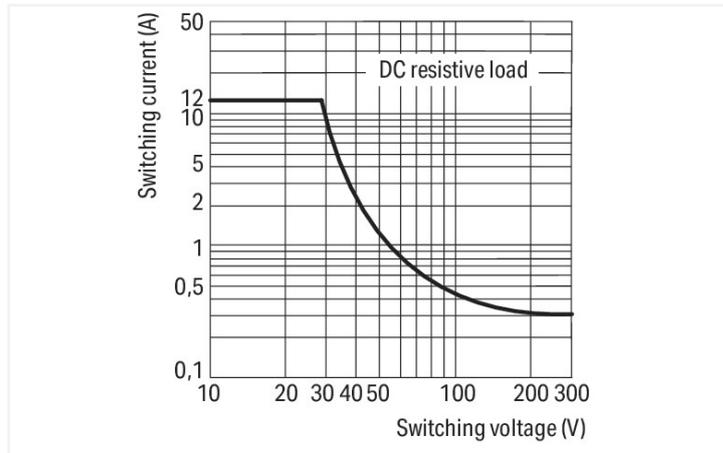
Data Sheet | Item Number: 858-181

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

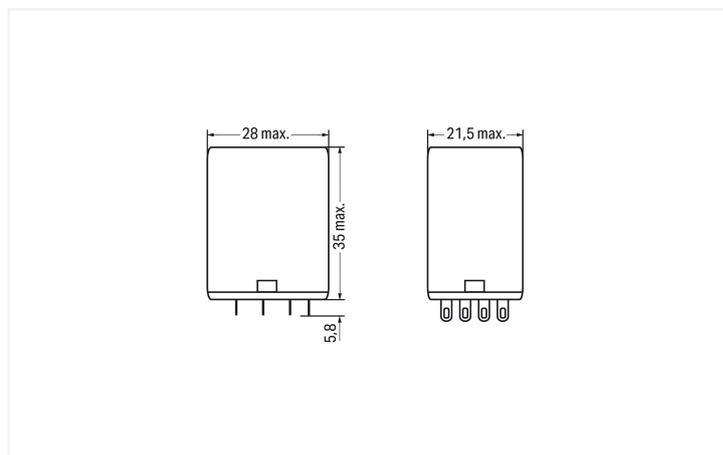
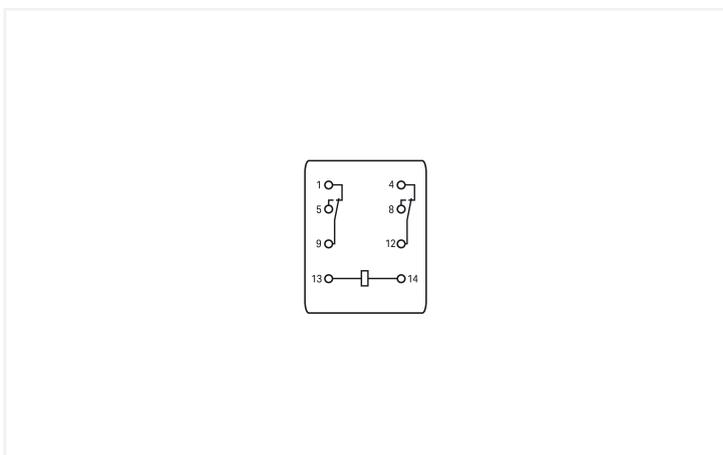
<https://www.wago.com/858-181>



Similar to illustration



DC load limit curve



Dimensions in mm

Technical data

Control circuit		Load circuit	
Nominal input voltage U_N	24 VDC	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.	250 VAC
		Switching power (resistive) max.	AC 3000 VA; DC (see load limit curve)
		Switching capacity	AC-15: 1.5 A / 240 VAC; DC-13: 0.1 A / 250 VDC
		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

Load circuit

Switching frequency with/without load (max.)	20 min ⁻¹ / 200 min ⁻¹
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Signaling

Status indicator	Red LED Mechanical
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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
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Material data

Note (material data)	Information on material specifications can be found here
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
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Commercial data

PU (SPU)	3 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143693295
Customs tariff number	85364900990

Product Classification

UNSPSC	39122334
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 9.0	EC001437
ETIM 10.0	EC001437
ECCN	NO US CLASSIFICATION

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	
2D/3D Models 858-181	↓

CAE data	
EPLAN Data Portal 858-181	↓
ZUKEN Portal 858-181	↓