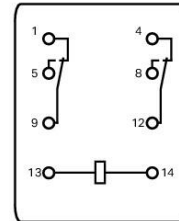


## Data sheet | Item number: 858-181

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

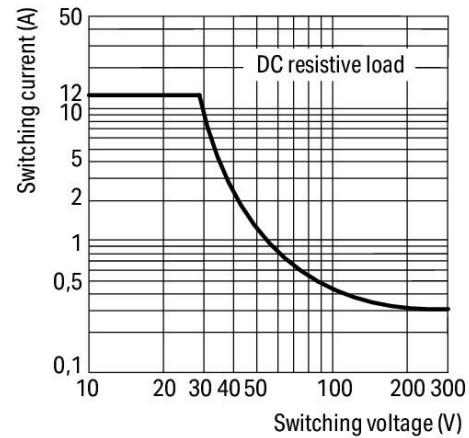
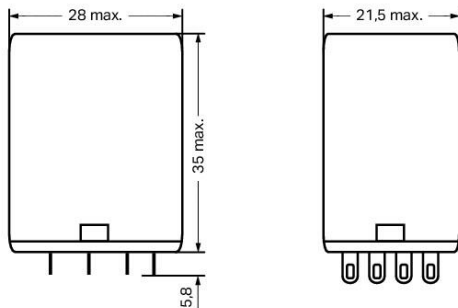


[www.wago.com/858-181](http://www.wago.com/858-181)



 Picture differs from the item.

Similar to picture



DC load limit curve

## Data

### Technical data

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

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## Control Circuit

Nominal input voltage $U_N$	DC 24 V
Nominal input current at $U_N$	38 mA

## Load circuit

Number of changeover/switchover contacts	2
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 <sup>3</sup> switching operations
Mechanical life	20 x 10 <sup>6</sup> switching operations
Switching frequency with/without load (max.)	20 min <sup>-1</sup> / 200 min <sup>-1</sup>

## 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

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## Mechanical data

Mounting type	Pluggable module
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## Material Data

Weight	32.9 g
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## Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-40 ... +70 °C
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Ambient temperature (storage)	-40 ... +85 °C
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## Standards and specifications

Standards/specifications	EN 61810-1
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## Commercial data

eCl@ss 10.0	27-37-16-01
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eCl@ss 9.0	27-37-16-01
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ETIM 8.0	EC001437
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ETIM 7.0	EC001437
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PU (SPU)	3 pcs
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Packaging type	box
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Country of origin	DE
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GTIN	4055143693295
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Customs tariff number	85364900990
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## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Downloads

### Documentation

#### Bid Text

858-181	2020 Aug 24	docx	Download
docx - Datei		14.7 kB	

858-181	2020 Aug 24	xml	Download
X81 - Datei		4.8 kB	

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



### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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### CAD/CAE-Data

#### CAE data

ZUKEN Portal 858-181	URL	Download
EPLAN Data Portal 858-181	URL	Download

#### CAD data

2D/3D Models 858-181	URL	Download
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### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 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	URL	Download
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### Installation Notes

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