

Data sheet | Item number: 857-151

Basic relay; Nominal input voltage: 12 VDC; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; Module width: 5 mm

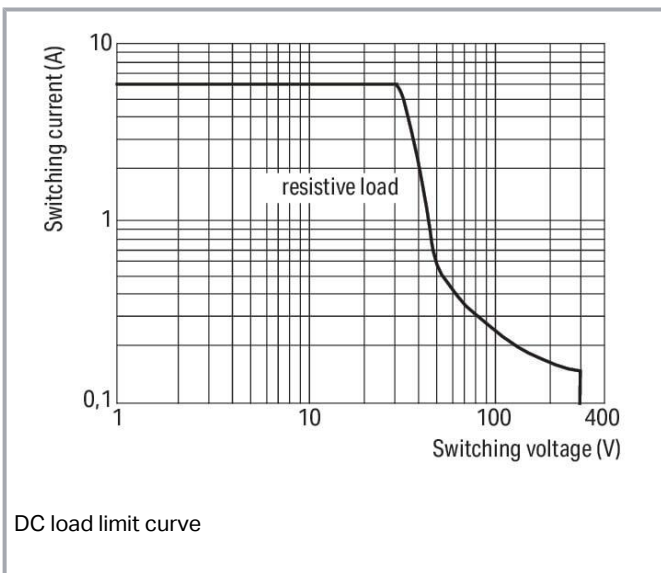
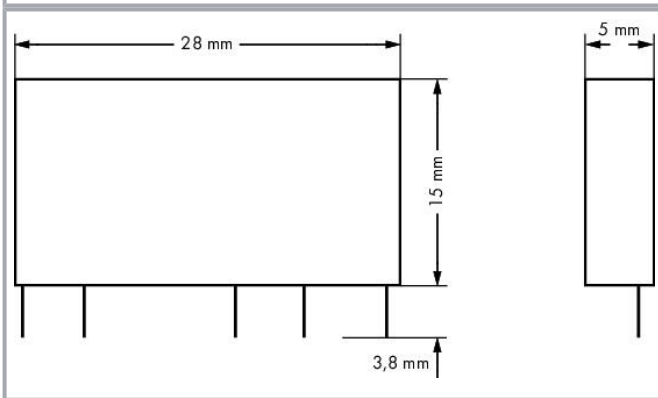
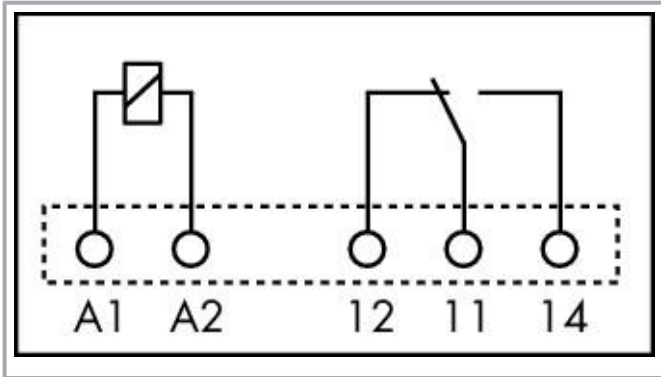


[www.wago.com/857-151](http://www.wago.com/857-151)



*i* Picture differs from the item.

Similar to picture



DC load limit curve

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

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## Data Notes

- Note
- To prevent damaging the gold layer, 30 V switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life.
  - To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

## Technical data

### Control Circuit

Nominal input voltage $U_N$	DC 12 V
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### Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi + Au
Limiting continuous current	6 A
Inrush current (resistive) max.	(AC) 20 A / 0.02 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 1500 VA; DC (see load limit curve)
Switching capacity	AC-15: 3 A / AC 250 V; DC-13: 2 A / DC 24 V
Recommended minimum load	1 V / 1 mA / 1 mW
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	4 ms
Bounce time (typ.)	3.5 ms
Electrical life (NO; resistive load; 23 °C)	50 x 10 <sup>3</sup> switching operations
Mechanical life	5 x 10 <sup>6</sup> switching operations
Switching frequency with/without load (max.)	6 min <sup>-1</sup> / 180 min <sup>-1</sup>

### Safety and protection

Dielectric strength (control/load circuit) (AC, 1 min)	4 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms

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Protection type	IP20
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### Physical data

Width	5 mm / 0.197 inches
Height from the surface	15 mm / 0.591 inches
Depth	28 mm / 1.09 inches

### Mechanical data

Mounting type	Pluggable module
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### Material Data

Weight	5.7 g
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### Environmental requirements

Ambient temperature (operation at $U_N$ )	-40 ... +85 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	5 ... 85 % (no condensation permissible)
Operating altitude (max.)	2000 m

### Standards and specifications

Standards/specifications	EN 61810-1 EN 61373 VDE UR
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### 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)	20 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143693257
Customs tariff number	85364900990

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## Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E340707

## Downloads

### Documentation

#### Bid Text

857-151 X81 - Datei	2020 Aug 24	xml 5.4 kB	Download
857-151 doc - Datei	2020 Aug 24	docx 16.1 kB	Download

#### 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

### CAD data

2D/3D Models 857-151	URL	Download
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### CAE data

ZUKEN Portal 857-151	URL	Download
EPLAN Data Portal 857-151	URL	Download

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 857-151

URL

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## Installation Notes

### Installation



Removing a relay via ejector.

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