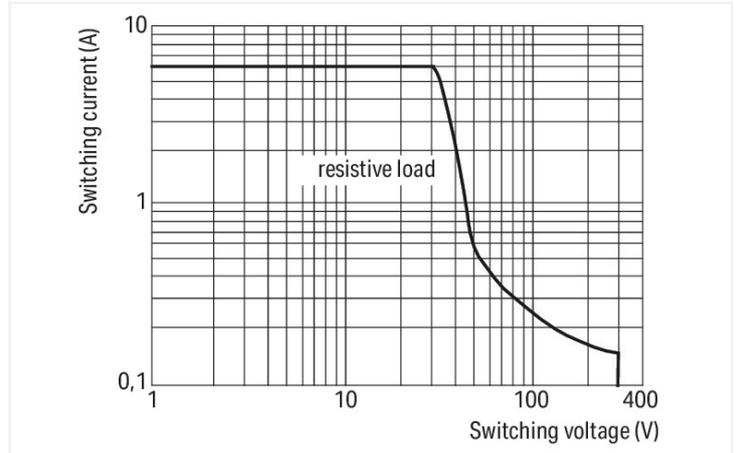


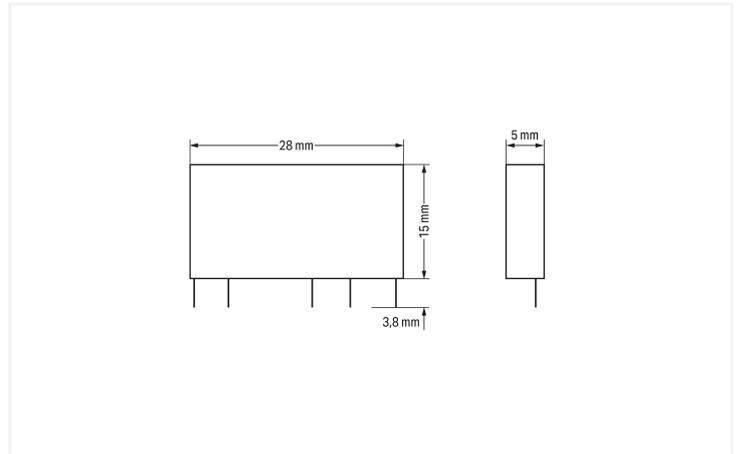
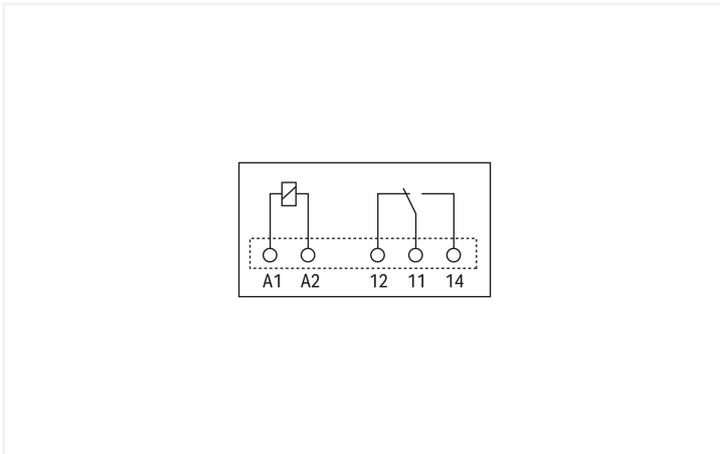
## Data Sheet | Item Number: 857-157

Basic relay; Nominal input voltage: 60 VDC; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; Module width: 5 mm; Module height: 15 mm

<https://www.wago.com/857-157>



DC load limit curve



### Notes

#### Note

The 60 VDC basic relay must be used for 60 VDC, 110 VDC, 220 VDC and 115 VAC/DC, 230 VAC/DC relay modules.  
To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.  
30 VDC switching voltages and 50 mA currents must not be exceeded for gold-plated basic relays. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life.

### Technical data

#### Control circuit

Nominal input voltage  $U_N$  60 VDC

#### 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.	250 VAC
Switching power (resistive) max.	AC 1500 VA; DC (see load limit curve)

### Load circuit

Switching capacity	AC-15: 3 A / 250 VAC; DC-13: 2 A / 24 VDC
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
Protection type	IP20

### 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

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.072 MJ
Weight	4.7 g

### Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-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**

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454551032
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
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**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 508	E340707

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 857-157	↓
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**Documentation**

**Bid Text**

857-157	19.02.2019	xml 4.80 KB	↓
857-157	29.11.2018	doc 27.50 KB	↓

### CAD/CAE-Data

CAD data	CAE data
2D/3D Models 857-157 	EPLAN Data Portal 857-157 
	WSCAD Universe 857-157 
	ZUKEN Portal 857-157 

### Installation Notes

#### Installation



Removing a relay via ejector.