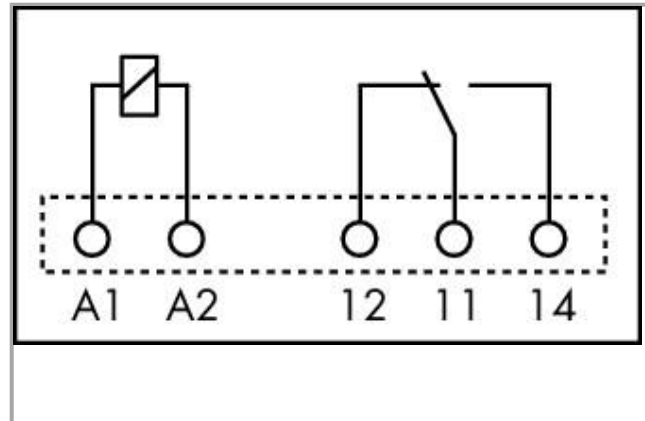
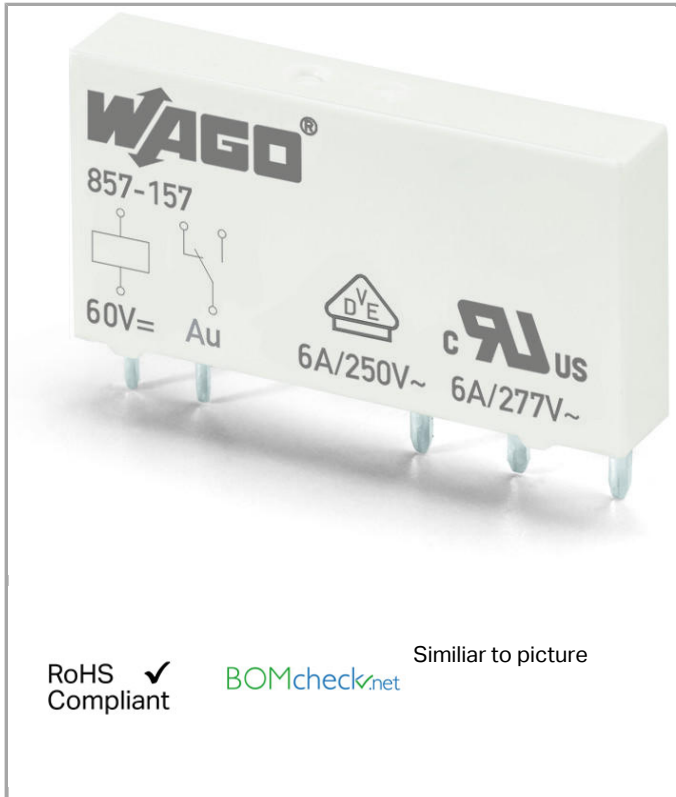


Data sheet | Item number: 857-157

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



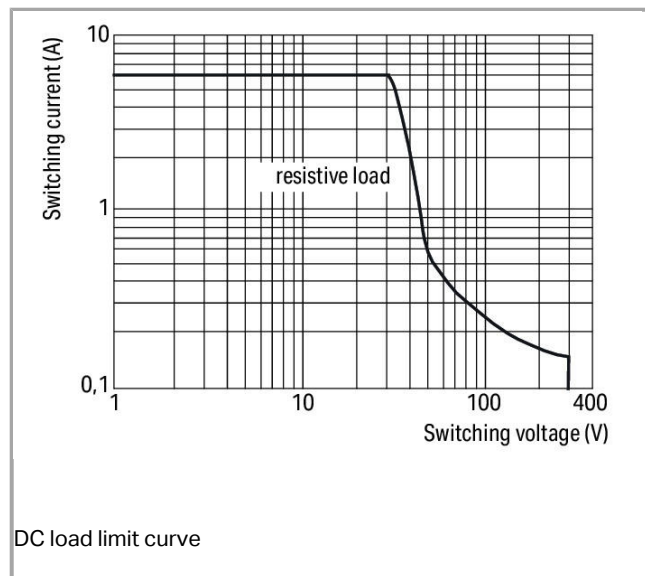
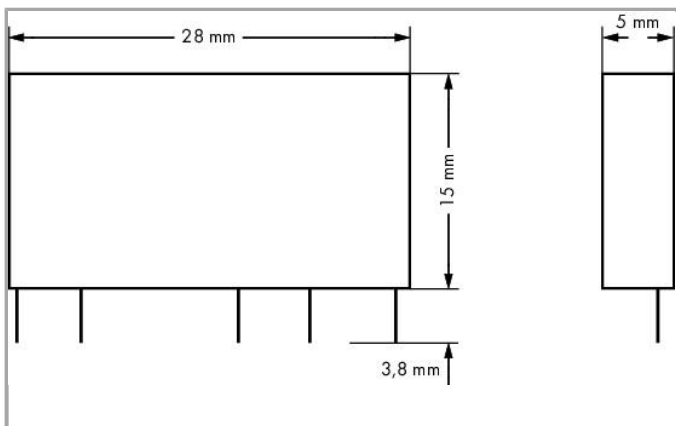
857-157



RoHS Compliant ✓

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Similar to picture



DC load limit curve

Item description

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.
- Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts.
- In the case of gold-plated basic relays switching voltages of 30 VDC and currents of 50 mA should not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce the service life.

## Data

### Technical Data

#### Control circuit

Nominal input voltage $U_N$	DC 60 V
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#### Load circuit:

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi + Au
Limiting continuous current	6 A
Max. make current (resistive)	(AC) 20 A / 0.02 s
Max. switching voltage	AC 250 V
Max. switching power (resistive)	AC 1,500 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.)	15 ms
Drop-out time (typ.)	25 ms
Bounce time (typ.)	3.5 ms
Electrical life (N.O.; resistive load; 23 °C)	$50 \times 10^3$ switching operations
Mechanical life (N.O.; resistive load; 23 °C)	$5 \times 10^6$ switching operations
Max. switching load with load/without load	$6 \text{ min}^{-1} / 180 \text{ min}^{-1}$

#### Safety and protection:

Dielectric strength, control/load circuit (AC, 1 min)	4 kVrms
Dielectric strength open contact (AC, 1 min)	1 kVrms
Protection class	IP20

#### Geometrical Data

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

## Mechanical data

Type of mounting	Pluggable module
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## Material Data

Fire load	0.072 MJ
Weight	4.7 g

## Environmental Requirements

Surrounding air (operating) temperature at U <sub>N</sub>	-40 ... 85 °C
Surrounding air (storage) temperature	-40 ... 85 °C

## Standards and specifications



Standards/specifications	EN 61810-1, EN 61373; VDE, UREN 61810-1, EN 61373; VDE, UR
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## Commercial data


Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4045454551032
Customs Tariff No.	85364900990

## Approvals / Certificates

### Country specific Approvals



Logo	Approval	Additional Approval Text	Certificate name
	VDE VDE Prüf- und Zertifizierungsinstitut	-	40031045
	VDE VDE Prüf- und Zertifizierungsinstitut	-	40031045

### UL-Approvals

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

## Compatible products

## General accessories

	<b>Item no.: 857-107</b> Relay socket; Nominal input voltage: 110 V AC/DC; for 5 mm basic relays; Yellow status indicator	857-107
	<b>Item no.: 857-108</b> Relay socket; Nominal input voltage: 230 V AC/DC; for 5 mm basic relays; Yellow status indicator	857-108

## Downloads

## Documentation

## Bid Text

857-157 Zubehör Serie 857	Mar 9, 2016	doc 23.6 kB	Download
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## Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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## Device Files

## Device Driver

WAGO Device DTM / Serie 857	1.02.0007 Feb 2, 2012	zip 4.6 MB	Download
WAGO USB Service Cable Driver / 750 and 857 Series 759-923	6.5.3.0 Sep 10, 2014	zip 4.8 MB	Download
WAGO Service Interface DTM / 767 and 857 Series (for communication with 857 + 767 Series)	3.2.2.26 Jun 21, 2013	exe 1.5 MB	Download

Subject to changes.