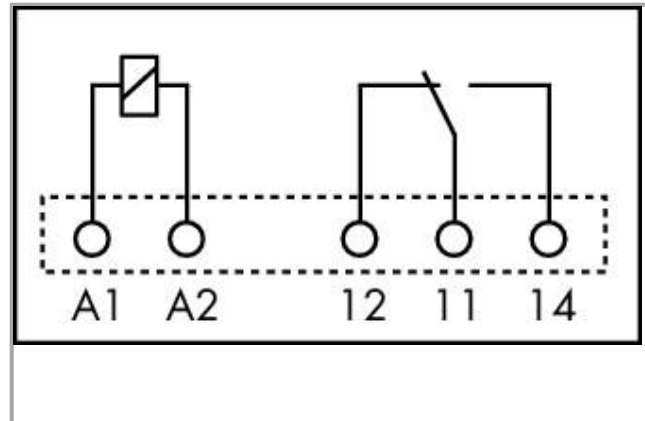


Data sheet | Item number: 857-150

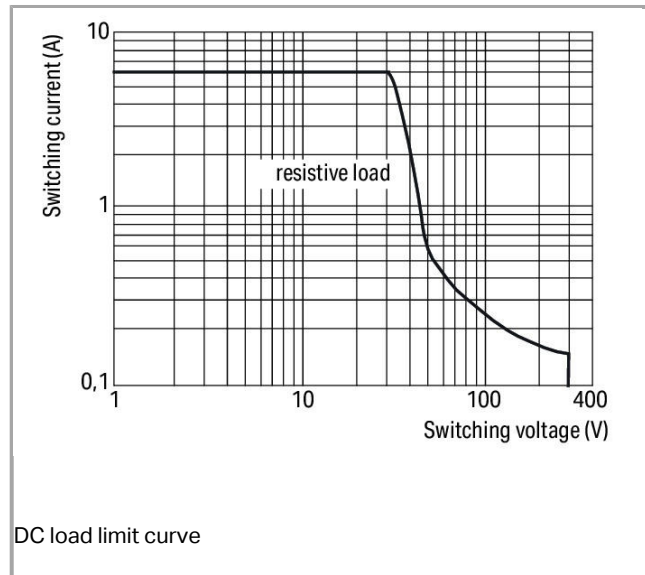
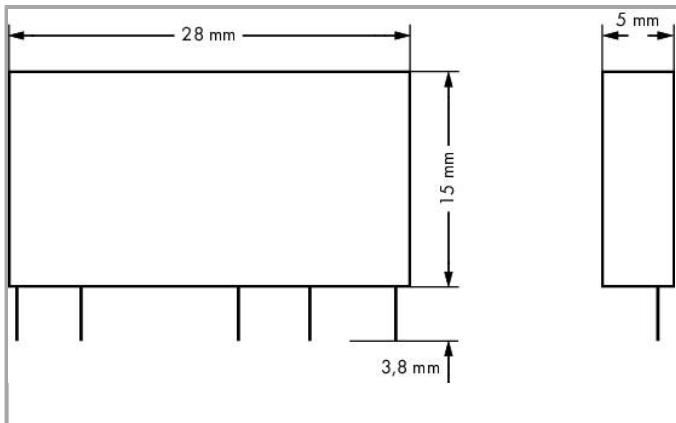
Basic relay; Nominal input voltage: 12 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 5 mm; Module height: 15 mm



857-150



RoHS Compliant [BOMcheck.net](https://www.bomcheck.net) 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 12 V
Nominal input current at U_N	0

Load circuit:

Number of changeover/switchover contacts	1
Contact material (relay)	AgSnO ₂
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	10 V / 10 mA; 24 V / 1 mA
Min. switching current	0 μ A
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	25 ms
Bounce time (typ.)	3.5 ms
Drop-out time	$\leq 0 \mu$ s
Electrical life (N.O.; resistive load; 23 °C)	50×10^3 switching operations
Mechanical life (N.O.; resistive load; 23 °C)	5×10^6 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
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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

Weight	4.7 g
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Environmental Requirements

Surrounding air (operating) temperature at U_N	-40 ... 85 °C
Surrounding air (storage) temperature	-40 ... 85 °C

Standards and specifications



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


Product Group	6 (Interface Electronics)
Country of origin	CZ
GTIN	4050821868293
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



Item no.: 857-103

Relay socket; for 5 mm basic relays; Yellow status indicator

857-103

Downloads

Documentation

Bid Text

857-150 Zubehör Serie 857	Mar 9, 2016	doc 22.5 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 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
WAGO USB Service Cable Driver / 750 and 857 Series 759-923	6.5.3.0 Sep 10, 2014	zip 4.8 MB	Download

Subject to changes.