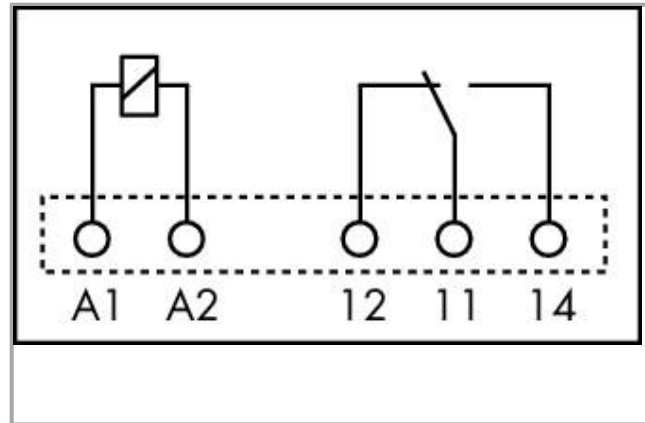


Data sheet | Item number: 857-155

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



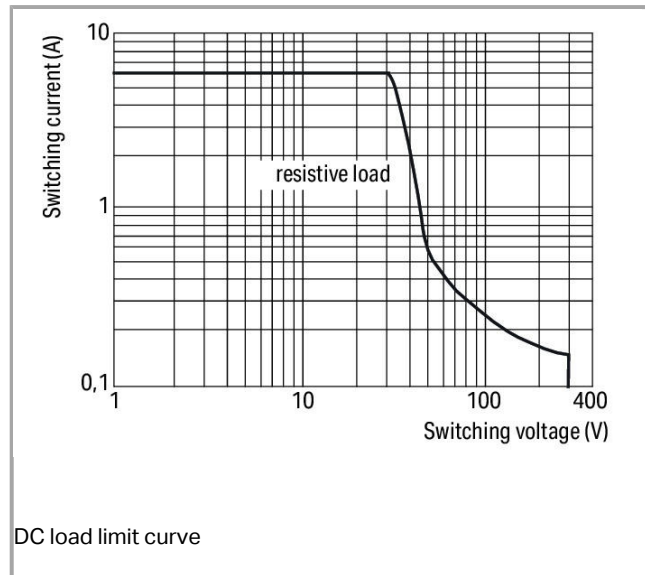
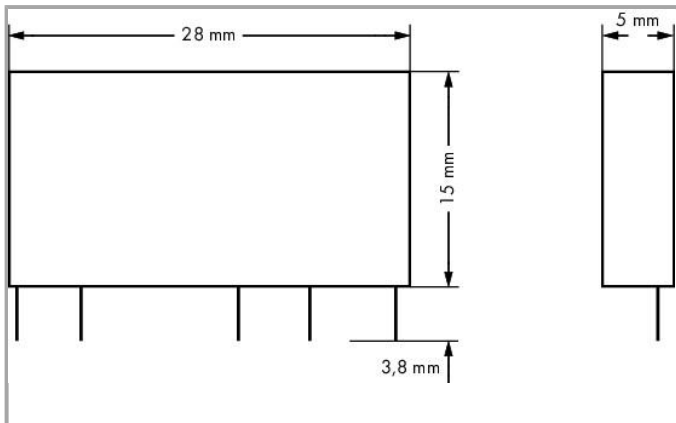
857-155



RoHS
Compliant

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Similar to picture



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 |
|-----------------------------|---------|

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 |
| 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 x 10 ³ switching operations |
| Mechanical life (N.O.; resistive load; 23 °C) | 5 x 10 ⁶ switching operations |
| Max. switching load with load/without load | 6 min ⁻¹ / 180 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 |
|------------------|------------------|

Material Data

| | |
|--------|-------|
| Weight | 4.9 g |
|--------|-------|

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 |
|--------------------------|-------------------------------|

Commercial data


| | |
|--------------------|---------------------------|
| Product Group | 6 (Interface Electronics) |
| Country of origin | CZ |
| GTIN | 4045454551025 |
| Customs Tariff No. | 85364900990 |

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | 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.: 857-107 Relay socket; Nominal input voltage: 110 V AC/DC; for 5 mm basic relays; Yellow status indicator | 857-107 |
|---|---------|

**Item no.: 857-108**

Relay socket; Nominal input voltage: 230 V AC/DC; for 5 mm basic relays; Yellow status indicator

857-108

Downloads**Documentation****Bid Text**

| | | | |
|------------------------------|-------------|----------------|----------|
| 857-155 Zubehör Serie 857 | Mar 9, 2016 | doc 23.0 kB | Download |
|------------------------------|-------------|----------------|----------|

Additional Information

| | | | |
|--|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf 265.8 kB | Download |
|--|---------|-----------------|----------|

Device Files**Device Driver**

| | | | |
|--|--------------------------|---------------|----------|
| 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 |
| WAGO Device DTM / Serie 857 | 1.02.0007 Feb 2, 2012 | zip 4.6 MB | Download |

Subject to changes.