

Elementary relay,  
1 changeover contact,  
max. continuous current: 6 A,  
5 mm wide, 15 mm high

Elementary relay,  
1 changeover contact,  
max. continuous current: 6 A,  
with gold contacts,  
5 mm wide, 15 mm high

U <sub>N</sub>	Item No.	Pack. Unit
12 VDC	857-150	20
24 VDC	857-152	20
48 VDC	857-154	20
60 VDC	857-155	20

U <sub>N</sub>	Item No.	Pack. Unit
24 VDC	857-153	20
60 VDC	857-157	20

**Specific Technical Data**

**Contacts**

Contact material	AgSnO <sub>2</sub>
Max. continuous current	6 A
Recommended minimum load	10 VDC / 10 mA, 24 VDC / 1 mA

Contact material	AgNi + Au
Max. continuous current	6 A
Recommended minimum load	1 VDC / 1 mA / 1 mW

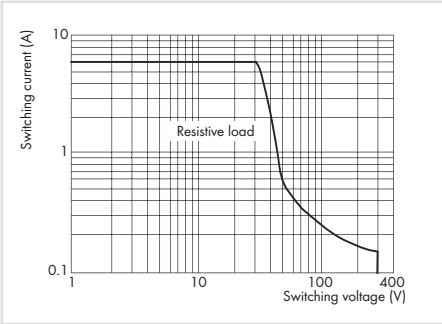
**General Specifications**

Standards/approvals	EN 61810-1, EN 61373; VDE, UR
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# Accessories

## 857 Series



DC load limit curve

### Note

- The 60 VDC spare relays 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 elementary 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.

### Technical Data

#### Contacts, standard

Contact material	AgSnO <sub>2</sub>
Recommended minimum load	10 VDC / 10 mA, 24 VDC / 1 mA

#### Contacts, gold

Contact material	AgNi + Au
Recommended minimum load	1 VDC / 1 mA / 1 mW

#### Contacts, general

Max. continuous current	6 A
Max. make current (resistive)	20 ms (AC) 20 A
Max. switching voltage	250 VAC
Max. switching power	1500 VAC / VDC see load limit curve
Switching capacity	AC-15: 3 A / 250 VAC DC-13: 2 A / 24 VDC

Dielectric strength, contact-coil (AC, 1 min)

Dielectric strength open contact (AC, 1 min)

Pull-in/drop-out/bounce time typ.

Mechanical life

Electrical life (N.O., resistive load)

Max. switching load with load/without load

#### General Specifications

Ambient operating temperature at U<sub>N</sub>

Storage temperature

Relative humidity

Dimensions (mm) W x H x D

Max. switching power (resistive)

4 kV<sub>rms</sub>

1 kV<sub>rms</sub>

8 ms / 4 ms / -

5 x 10<sup>6</sup> switching operations

5 x 10<sup>4</sup> switching operations

6 min<sup>-1</sup> / 180 min<sup>-1</sup>

-40 ... +85 °C

-40 ... +85 °C

5 ... 85 %

5 x 15 x 28, height from upper-edge of DIN-rail

1500 VA (AC); DC see load limit curve

## Accessories

### 857 Series



#### Technical Data

Max. continuous current	6 A
Status indicator	LED yellow
Ambient operating temperature	-40 ... +70 °C
Storage temperature	-40 ... +70 °C
Dimensions (mm) W x H x D	6 x 81 x 94, height from upper-edge of DIN-rail
Connection technology	Push-in CAGE CLAMP®
Conductor range	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch
Standards/approvals	UR 508; EN61010-2-201

Socket for miniature switching relay and opto-coupler

	Item No.	Pack. Unit
24 VAC/DC	857-104	25
115 VAC/DC	857-107	25
230 VAC/DC	857-108	25

