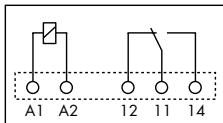


## Basic Relay 857 Series

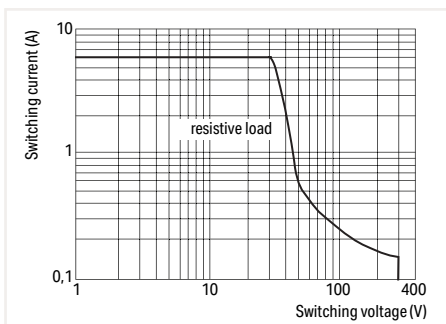


Basic Relay; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; 5 mm wide; 15 mm high

$U_N$	Item No.	Pack. Unit
12 VDC	857-151	20
24 VDC	857-153	20
60 VDC	857-157	20

### Note:

- The 60 VDC spare 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 power deposits in the housing may reduce service life.



DC Load Limit Curve

### Load Circuit

Number of changeover/switchover contacts	1
Contact material	AgNi + Au
Limiting continuous current	6 A
Inrush current (resistive) max.	20 A (AC) / 20 ms
Switching voltage (max.)	250 VAC
Switching power (resistive) max.	1500 VA (AC); DC see load limit curve
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.)	15 ms
Drop-out time (typ.)	25 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 kV <sub>rms</sub>
Dielectric strength, open contact (AC, 1 min)	1 kV <sub>rms</sub>
Protection type	IP20

### Physical Data

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

### Mechanical Data

Mounting type	Pluggable module
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### Material Data

Weight	4.7 g
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### Environmental Requirements

Surrounding air temperature (operation at $U_N$ )	-40 ... +85 °C
Surrounding air temperature (storage)	-40 ... +85 °C

### Standards and Specifications

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