

## Basic Solid-State Relay 857 Series



Basic Solid-State Relay; Output voltage range:  
24 ... 240 VAC; Limiting continuous current: 2 A;  
5 mm wide; 15 mm high

$U_N$	$I_N$	Item No.	Pack. Unit
24 VDC	7 mA	857-167	20

### Control Circuit

Input voltage range (low level)	0 ... 10 VDC
Input voltage range (high level)	20 ... 28.8 VDC

### Load Circuit

Circuit type	2-wire connection; zero-voltage switching
Limiting continuous current	2 A
Output voltage range	24 ... 240 VAC
Voltage drop (output) max.	≤ 1.6 VAC
Leakage current at rated voltage	≤ 1.5 mA
Switching current (min.)	22 mA
Turn-on time	≤ 10 ms
Turn-off time	≤ 10 ms
Mains frequency	50 Hz / 60 Hz

### Safety and Protection

Dielectric strength, control/load circuit (AC, 1 min)	3.75 kV <sub>rms</sub>
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### Physical Data

Width	5 mm / 0.197 inch
Height from the surface	15 mm / 0.591 inch
Depth	28 mm / 1.102 inch

### Mechanical Data

Mounting type	Pluggable relay module
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### Material Data

Weight	3.5 g
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### Environmental Requirements

Surrounding air temperature (operation at $U_N$ )	-30 ... +80 °C
Surrounding air temperature (storage)	-40 ... +100 °C