

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
60 VDC	3.1 mA	857-168	20

Control Circuit

Input voltage range (low level)	0 ... 10 VDC
Input voltage range (high level)	35 ... 72 VDC

Load Circuit

Circuit type	2-wire connection
Limiting continuous current	3 A
Output voltage range	0 ... 24 VDC
Voltage drop (output) max.	≤ 0.12 VDC
Switching current (min.)	50 μ A
Inrush current (max.)	15 A / 10 ms
Turn-on time	≤ 100 μ s
Turn-off time	≤ 600 μ s
Switching frequency	≤ 350 Hz

Safety and Protection

Dielectric strength, control/load circuit (AC, 1 min)	3.75 kV _{rms}
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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	3.6 g
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Environmental Requirements

Surrounding air temperature (operation at U_N)	-30 ... +80 °C
Surrounding air temperature (storage)	-40 ... +70 °C