

## Basic Solid-State Relay 857 Series



Basic Solid-State Relay; Output voltage range:  
0 ... 24 VDC; Limiting continuous current: 3 A;  
5 mm wide; 15 mm high

$U_N$	$I_N$	Item No.	Pack. Unit
24 VDC	7 mA	857-161	20

### Control Circuit

Input voltage range (low level)	0 ... 10 VDC
Input voltage range (high level)	18.8 ... 31.2 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 μA
Inrush current (max.)	15 A / 10 ms
Turn-on time	≤ 100 μs
Turn-off time	≤ 600 μs
Switching frequency	≤ 350 Hz

### Safety and Protection

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

### 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
---------------	------------------------

### Material Data

Weight	3.6 g
--------	-------

### Environmental Requirements

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

2