

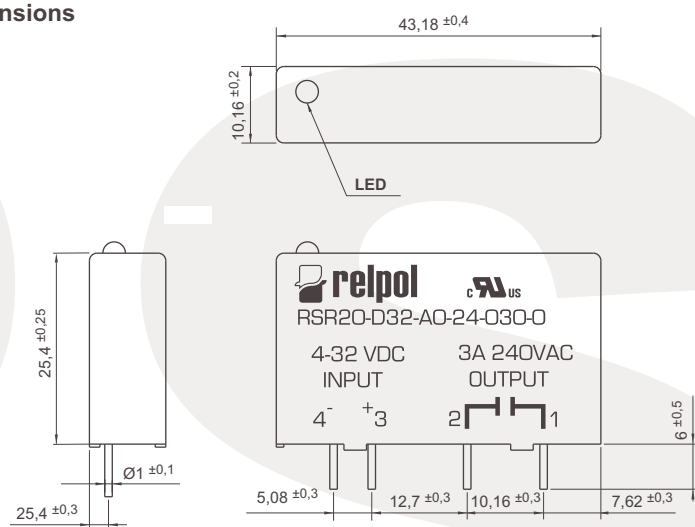


DESCRIPTION	TYPES	RSR20			
		D32-A0-24-030-0	D32-A0-24-030-1	D32-A1-24-030-0	D
<b>INPUT CIRCUIT</b>					
LED indicate		YES		NO	
Control voltage range		4 - 32 VDC		3 - 32 VDC	
Control current		15 mA Max.		15 mA Max.	
Min. turn-off voltage		1.5 VDC		1 VDC	
Min. input impedance		2.0 K $\Omega$		2.2 K $\Omega$	
<b>OUTPUT CIRCUIT</b>					
Load type		AC		AC	
Max. load current		3 A (rms)		3 A (rms)	
Nominal load voltage		240 VAC	240 VAC	240 VAC	240 VAC
Load voltage range		24 - 280 VAC	24 - 280 VAC	24 - 280 VAC	24 - 280 VAC
Non-repetitive Max. peak voltage		600 VAC	600 VAC	600 VAC	600 VAC
Non-repetitive Max. peak current		80 A			
Max. off-state leakage current		5 mA			
Max. on-state voltage drop		1.5 V			
Min. load current		50 mA			
Max. off-state slew rate (dv/dt)		100 V/ $\mu$ s			
Operating frequency range		47 Hz ~ 63 Hz			
<b>GENERAL CHARACTERISTICS</b>					
Zero-on, random-on		Z	R	Z	R
Max. turn-on time		8.3 ms	100 $\mu$ s	8.3 ms	100 $\mu$ s
Max. turn-off time		8.3 ms			
Insulation resistance		DC 500 V 10 <sup>8</sup> $\Omega$ Min. (between input & output, input/output & case)			
Dielectric strenght		2.5K VAC (between input & output)			
Capacitance		10 pF Max. (between input & output)			
Operating temperature		-20°C ~ +85°C			
Storage temperature		-40°C ~ +100°C			

### Features

- PCB mount; single in line package
- Optically isolated.
- Input LED indicator
- High dv/dt and high blocking voltage
- Low power consumption input, TTL and CMOS compatible.
- Zero voltage turn-on, zero current turn-off (minizes EMI/RFI).
- High surge rating allows lamp and motor load switching.
- Built-in snubber network.

### Dimensions



# RSR20

## PCB Mount



DESCRIPTION	TYPES	RSR20	
		D32-D0-06-030-1	D32-D1-06-030-1
<b>INPUT CIRCUIT</b>			
LED indicate		YES	NO
Control voltage range		4 - 32 VDC	3 - 32 VDC
Control current		15 mA Max.	15 mA Max.
Min. turn-off voltage		1.5 VDC	1 VDC
Min. input impedance		2.0 K $\Omega$	2.2 K $\Omega$
<b>OUTPUT CIRCUIT</b>			
Load type		DC	
Max. load current		3 A (rms)	
Nominal load voltage		60 VDC	
Load voltage range		3 - 60 VDC	
Non-repetitive Max. peak voltage		60 VDC	
Non-repetitive Max. peak current		5 A	
Max. off-state leakage current		1 mA	
Max. on-state voltage drop		1.5 V	
Min. load current		10 mA	
Max. off-state slew rate (dv/dt)			
Operating frequency range			
<b>GENERAL CHARACTERISTICS</b>			
Zero-on, random-on		R	
Max. turn-on time		50 $\mu$ s	
Max. turn-off time		100 $\mu$ s	
Insulation resistance		DC 500 V 10 <sup>8</sup> $\Omega$ Min. (between input & output, input/output & case)	
Dielectric strenght		3.5K VAC (between input & output)	
Capacitance		10 pF Max. (between input & output)	
Operating temperature		-20°C ~ +80°C	
Storage temperature		-40°C ~ +100°C	

### Part numbering system

