

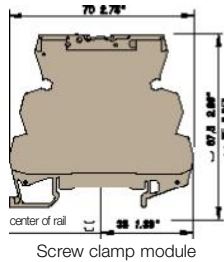
# Relays and optocouplers

## Relay Interfaces - R600 relay modules

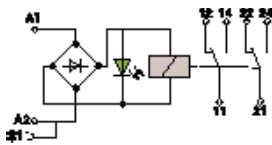


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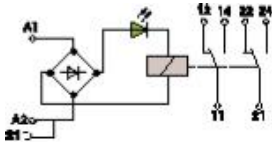
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Screw clamp module



RB...122 A  
24-48-60 V AC/DC



RB...122 A  
115-230 V AC/DC

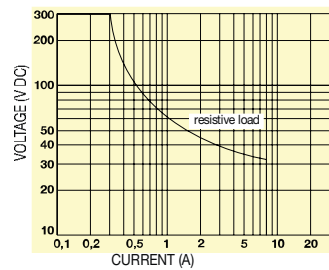
Relay : 1 DPDT low level contact 1 mA to 8 A - 12 mm .472» spacing

### Characteristics

Relay characteristics	RB...122A				
	24 VAC/DC	48 V AC/DC	60 V AC/DC	115 V AC/DC	±10% on AC +10% -15% on DC 230 V AC/DC
<b>COIL</b>					
Rated voltage	24 VAC/DC	48 V AC/DC	60 V AC/DC	115 V AC/DC	±10% on AC +10% -15% on DC 230 V AC/DC
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Power	0,48 W	0,62 W	0,96 W	0,58 W	1,15 W
Rated current	20 mA	13 mA	16 mA	5 mA	5 mA
Drop-out voltage at 20°C	5,4 V	8,8 V	8,8 V	20 V	10 V
Status device	green LED				
<b>CONTACT</b>					
Type	1 DPDT				
Voltage switching range min./max.	5 V / 250 V DC - 250 V AC				
Current switching range min./max.	1 mA / 8 A		1 mA / 5 A		
Load switching range	5 mA / 1500 VA				
AC1 min. / max.	5 mW / 192 W				
DC1 min. / max.	10 <sup>5</sup>				
Number of on-load operations	2 x 10 <sup>7</sup>				
Number of off-load operations					
Operating speed	F 6 ms	10 ms	10 ms	6 ms	6 ms
	O 10 ms	14 ms	14 ms	15 ms	15 ms
Bounce	1 ms				
Insulation coil / contact	3500 V RMS				
Resistance to shock coil / contact	3500 V RMS				
Insulation contact / contact	3500 V RMS (between 2 contacts)				
Ambient temperature storage	-40°C to +80°C				
operating	-20°C to +70°C (1)				
<b>Other characteristics</b>	Screw clamp		Spring clamp		
Body material	grey		UL 94 V0		
Wire	Solid wire		UL 94 V0		
size	0,2 - 4 mm <sup>2</sup> / 24 - 12 AWG		0,2 - 2,5 mm <sup>2</sup> / 24 - 12 AWG		
Stranded wire	0,22 - 2,5 mm <sup>2</sup> / 24 - 12 AWG		0,22 - 2,5 mm <sup>2</sup> / 24 - 12 AWG		
Rated wire size	2,5 mm <sup>2</sup> / 12 AWG		2,5 mm <sup>2</sup> / 12 AWG		
Wire stripping length	9 mm .354"		9 mm .354"		
Recommended screwdriver	3,5 mm .137"		3,5 mm .137"		
Protection	IP20 NEMA 1		IP20 NEMA 1		
Recommended torque	0,4 - 0,6 Nm 3.5 - 5.3 lb.in		0,4 - 0,6 Nm 3.5 - 5.3 lb.in		
Approvals	UL, US, (pending), LRS, CE				
Reference standards	CEI 947-7-1 / CEI 947-1 / CEI 1131-2 (in relevant parts) / CEI 60664-1 / CEM: IRC 1000-4-2, 3, 4, 5, 6.				

(1) Over 55°C, blocks have to be mounted on horizontal rail with 10 mm spacing between each block. For vertical rail mounting use temperature is 15°C less decreased.

### Max. DC load breaking capacity



Description	Type	Order Code	Price
Relay module 1 DPDT low level.	RB 122 A-24VAC/DC	1SNA645012R2500	
	RB 122 A-48-60VAC/DC	1SNA645040R1500	
	RB 122 A-115VAC/DC	1SNA645041R0200	
	RB 122 A-230VAC/DC	1SNA645013R2600	

Accessories see page 1/80



Full range of product and technical information place this part number in a search engine and download

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