

Relay Interfaces

Relay modules R1800 DIN 1-3

RB 122... - instant relay blocks - 18 mm .709" or 23 mm .906" spacing



Characteristics

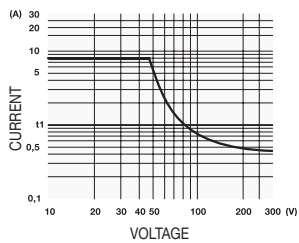
Relay characteristics	RB 122 AV		RB 122 AR	RB 122 A	RB 122		RB 122 BR	
COIL								
Rated voltage +15%, -10% on DC 50 and 60 Hz ±15% on AC	24 VAC/DC	48 VAC/DC	110 VAC/DC	220 VAC/DC	24 V DC	48 V DC	110 V AC 50 / 60 Hz	220 V AC 50 Hz
Frequency								
Power	0.7 W	0.7 W	0.7 W - 1.8 VA	1.2 W	0.31 W	0.48 W	4.8 VA	1.1 VA
Rated current	26 mA	14 mA	16 mA	5.5 mA	13 mA	10 mA	45 mA	5.1 mA
Drop-out voltage at 20°C	2.4 V AC/DC	4.8 V AC/DC	11 V AC/DC	22 V AC/DC	2.4 V DC	4.8 V DC	11 V AC	22 V AC
Permissible leakage current			1.6 mA				3 mA	

CONTACT

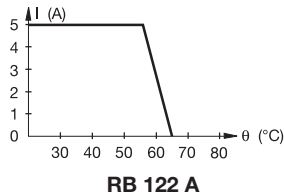
Type	1 DPDT							
Voltage switching range min./max.	12 V / 250 V		10 ³ V / 250 V	12 V / 250 V		10 ³ V / 250 V		
Current switching range min./max.			10 mA / 5 A					10 ⁻⁷ A / 5 A
Load switching range					0.6 VA / 1250 VA		10 ⁻¹⁰ VA / 1000 VA	
AC1 min. / max.					0.6 W / see curve hereunder		10 ⁻¹⁰ W / see curve hereunder	
DC1 min. / max.							5A/100W - 5A/1kVA : 10 ⁵	
Number of on-load operations					2 x 10 ⁵		2 x 10 ⁸	
Number of off-load operations					2 x 10 ⁷			
Operating speed	F		7 ms		8 ms			
	O		4 ms		3 ms			
Bounce			3 ms		0.5 ms			
Insulation coil / contact			2000 V RMS		1500 V RMS			
Resistance to shock coil / contact			4000 V RMS		4000 V RMS			
Insulation contact / contact			1500 V RMS		2000 V RMS			
Ambient temperature			-40°C to +80°C		see derating curves			
storage								
operating								

Other characteristics

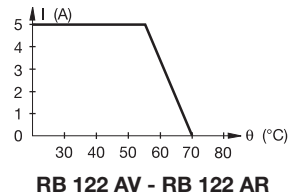
Body material	grey <input type="checkbox"/>	UL 94 V0
Wire	Solid wire	0.2 - 4 mm ² / 22 - 12 AWG
Wire size	Stranded wire	0.22 - 2.5 mm ² / 22 - 12 AWG
Rated wire size		2.5 mm ² / 12 AWG
Wire stripping length		7 mm .276"
Recommended screwdriver		3.5 mm .137"
Protection		IP20 NEMA1
Recommended torque		0.4 - 0.6 Nm 3.5 - 5.3 lb.in
Approvals		 US pending, 
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.	



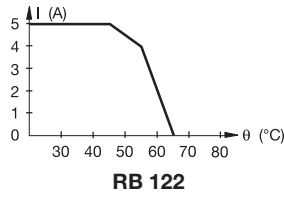
Derating curves



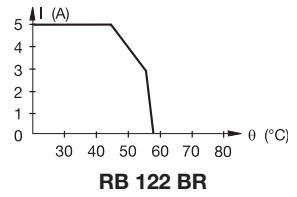
RB 122 A



RB 122 AV - RB 122 AR
2 loaded contacts



RB 122
2 loaded contacts




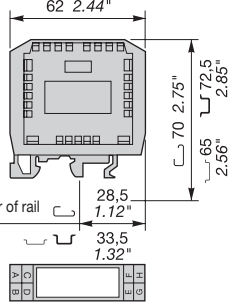
RB 122 BR
horizontal position, 2 loaded contacts

Order codes

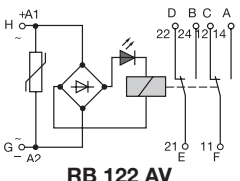
Description	Type	Order P/N	Packaging	Weight kg
Relay module 24 V AC/DC 18 mm spacing	RB 122AV-24VAC/DC	1SNA 610 121 R2000	1	0.05
Relay module 48 VAC/DC 18 mm spacing	RB 122AV-48VAC/DC	1SNA 610 122 R2100	1	0.05
Relay module 110 V AC/DC 23 mm spacing	RB 122AR-110VAC/DC	1SNA 610 011 R2500	1	0.05
Relay module 220 V AC/DC 23 mm spacing	RB 122A-220VAC/DC	1SNA 610 123 R2200	1	0.05
Relay module 24 V DC 18 mm spacing	RB 122-24VDC	1SNA 610 059 R1500	1	0.05
Relay module 48 V DC 18 mm spacing	RB 122-48VDC	1SNA 610 060 R1200	1	0.05
Relay module 110 V AC 23 mm spacing	RB 122BR-110VAC	1SNA 610 115 R2200	1	0.05
Relay module 220 V AC 23 mm spacing	RB 122BR-220VAC	1SNA 610 089 R0400	1	0.05

Accessories

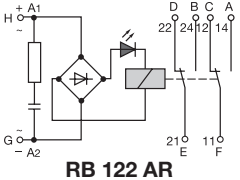
End section	BADL V0	1SNA 399 903 R0200	50
	BAM	1SNA 103 002 R2600	50
	BAM V0	1SNA 399 306 R0300	50
Lengthwise marker	RLV	1SNA 103 849 R0300	
Marking method	RC55	see marking	

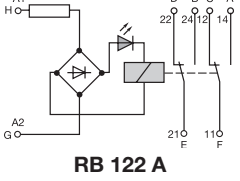
Relay blocks R1800



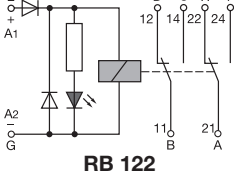
RB 122 AV



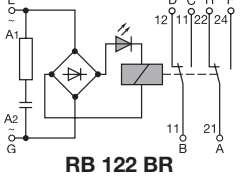
RB 122 AR



RB 122 A



RB 122



RB 122 BR

