



RZ SERIES

INDUSTRIAL RELAYS

UL & CUL File #E256619
TUV Certified File #R5016773

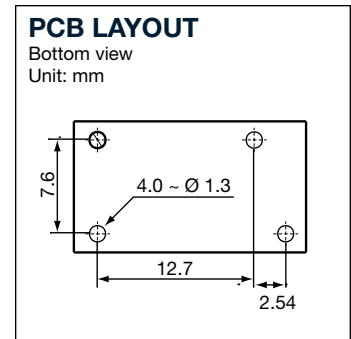
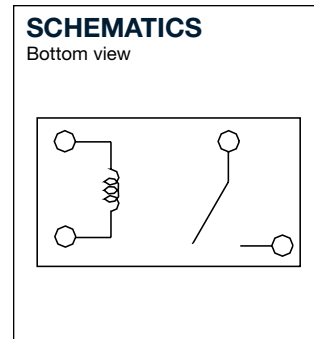
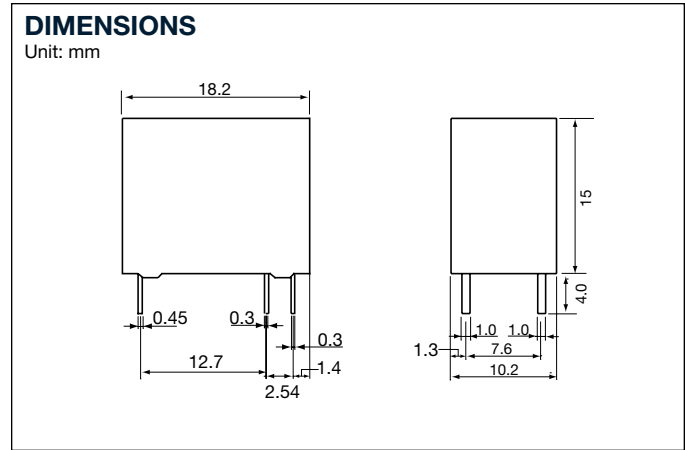
FEATURES

1. Size 10.2 x 18.2 x 15mm
2. Subminiature type.

ORDERING INFORMATION

RZ 1A - 12 H S
(1) (2) (3) (4) (5)

- (1) Basic Designation**
RZ = RZ Series
- (2) Contact Arrangement**
1A = 1 Form A (SPST-NO)
- (3) Coil Voltage**
3~48V (48V is not TUV certified)
- (4) Coil Sensitivity**
Nil = 450mW
H = 200mW (not TUV certified)
- (5) Enclosure**
Nil = Unsealed
S = Sealed



COIL RATINGS (AT 20°C)

Coil Sensitivity Part Number Code	Coil Nominal Voltage (VDC)	Coil Resistance ($\Omega \pm 10\%$)	Pick-up Voltage (VDC)	Drop-Out Voltage (VDC)	Nominal Current (mA)
Nil = 450mW	3	20	75% Max.	5% Min.	150
	5	55			91
	6	80			75
	9	180			50
	12	320			37.5
	18	720			25
H = 200mW	24	1280	75% Max.	5% Min.	18.8
	3	45			67
	5	125			40
	6	180			33.3
	9	400			22.5
	12	720			16.7
	18	1620		11.1	
	24	2800		8.16	

Max continuous Voltage at 20°C: 130% of Coil Nominal Voltage.



CONTACT RATINGS

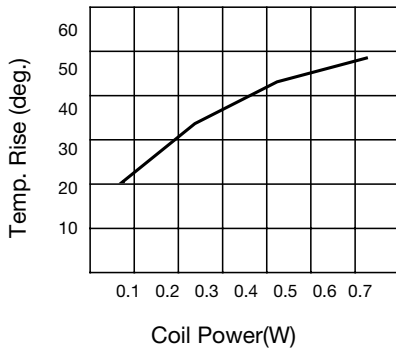
Contact Arrangement	1 Form A (SPST-NO)	
Coil Sensitivity	450mW	200mW
Max. Switching Power	1200VA 140W	600VA 90W
Max. Switching Voltage	265VAC 30VDC	
Max. Switching Current	10A	3A, 5A
Contact Resistance (By voltage drop 6V 1A)	50mΩ max.	
VDE Rating Resistive Load	3A / 5A 250VAC	
UL / C-UL Rating Resistive Load (cos Ø = 1)	10A 120VAC 5A 250VAC 5A 28VDC 10A 250VAC	5A 120VAC 3A 250VAC 3A 28VDC
Inductive Load (cos Ø = 0.75 ~ 0.8)	1.5A 250VAC	1A 250VAC
Operate Time	10msec. Max.	15msec. Max.
Contact Material	silver alloy	

CHARACTERISTICS

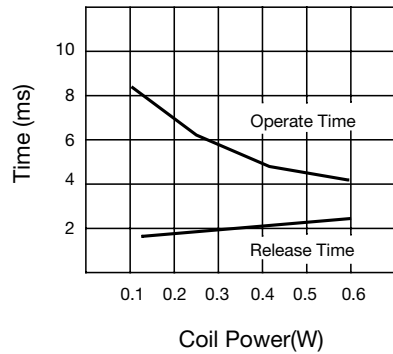
Electrical Life at 25cpm	1 x 10 ⁵
Mechanical Life at 120cpm	1 x 10 ⁷
Insulation Resistance	Min. 1000MΩ (500VDC)
Release Time	4ms max.
Initial Breakdown Voltage	50/60Hz 4000VAC 1 min. (between coil and contact) 50/60Hz 1000VAC 1 min. (between open contacts)
Vibration Resistance	Malfunction: 10 to 55Hz at Double Amplitude of 1.5mm Destructive: 10 to 55Hz at Double Amplitude of 1.5mm
Shock Resistance	Malfunction: 10G(min.) Destructive: 100G(min.)
Insulation withstand Voltage	5000V 1.2 x 50ms (between coil and contacts)
Ambient Temperature	-40°C ~ +85°C
Operating Humidity	45 to 85% RH
Unit Weight	Approx. 6g

REFERENCE DATA

Coil Temperature Rise



Operate Time/ Release Time



Life Expectancy

