

R25 SERIES

High Voltage Relays

25kV SYSTEM VOLTAGE

Make and Break Load Switching



FEATURES

- Form C, SPDT
- Vacuum sealed ceramic
- Tungsten contacts for load switching
- Compact design
- HV Connection threaded or solder
- Through panel or flange mounting options
- Meets RoHS 2011/65/EU

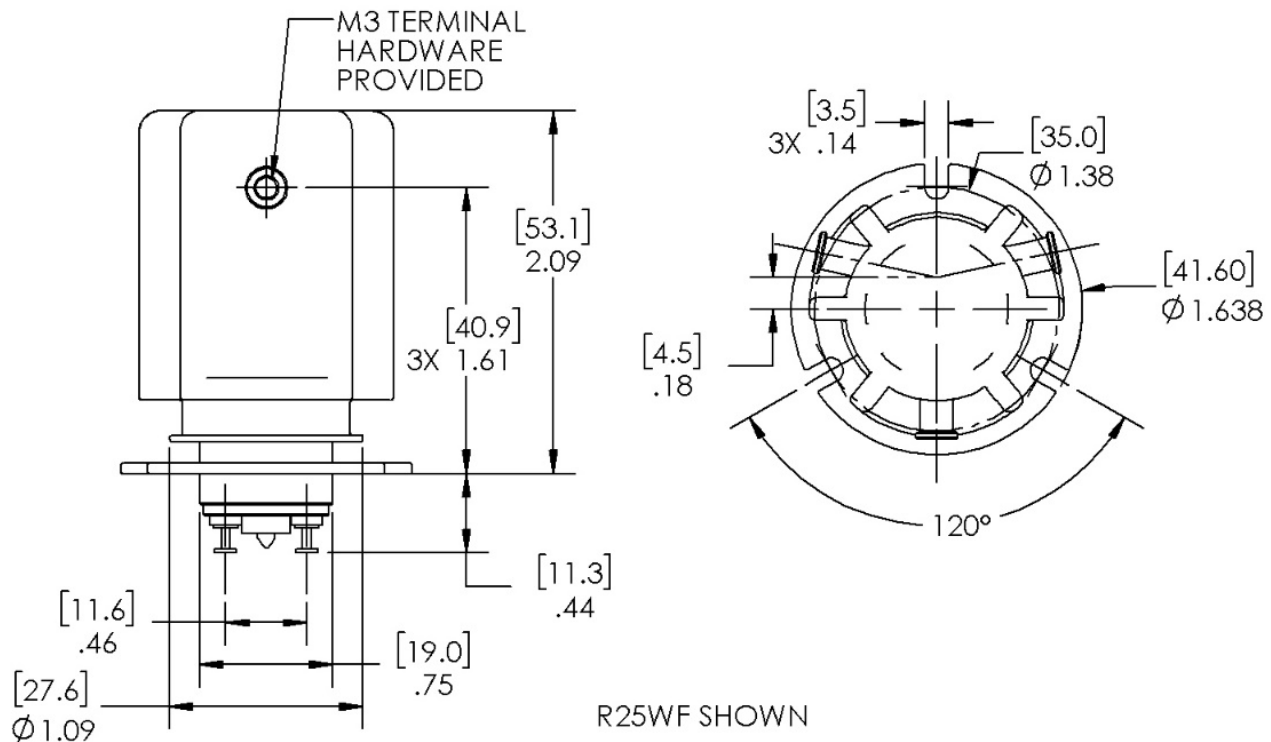


PERFORMANCE

TABLE 1. SPECIFICATIONS

CHARACTERISTIC	MEASURE
Contact Arrangement	Form C, SPDT (Single Pole Double Throw)
Max Operating Voltage (Peak, between Contacts and Contacts to Base) (Max Leakage Current: 15 μ A)	25kV dc or 60Hz
Test Voltage (Peak, between Contacts and Contacts to Base) (Max Leakage Current: 15 μ A)	27kV dc or 60Hz
Continuous Current DC or 60Hz	18A
Load Switching (Make and Break)	(Consult Factory)
Coil Hi-Pot (V RMS, 60Hz)	500V
Contact Resistance (Max)	0.1 Ω @ 1A
Operate Time (Max, incl bounce)	15 ms
Release Time (Max)	15 ms
Shock, Operating, 1/2 Sine, 11ms (Peak)	20G
Vibration, Operating, Sine (55-500Hz Peak)	10G
Operating Temperature	-55°C to 125°C
Mechanical life	1,000,000 cycles
Weight	120 g
COIL (25° C)	MEASURE
Nominal Voltage (Vdc)	12 26.5
Pick-up Voltage, Max (Vdc)	9 18
Drop-out Voltage (Vdc)	0.5-5 1.0-10
Coil Resistance (\pm 10%)	30 Ω 125 Ω

PRODUCT DIMENSIONS [mm]



ORDERING KEY

TABLE 2. PRODUCT NOMENCLATURE

Series	High Voltage Connection	Mounting	Coil
R25	S = Solder Pot W = Screw	P = Through Panel F = Flange	Blank = 26.5Vdc -12V = 12Vdc

NOTES

- Relay is operated by a coil that changes resistance with temperature: Maximum coil voltage will be lower than indicated at temperatures above 25°C, and higher than indicated at temperatures below 25°C.
- Nominal Coil Voltage for Pick-up Current, Coil Current and Coil Power specifications, Current/Wattage will be lower than indicated at temperatures above 25°C and higher than indicated at temperatures below 25°C.
- Pick-up Voltage and Drop Out Voltage will be lower than indicated at temperatures below 25°C and higher than indicated at temperatures above 25°C.

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