



## Relay RM22TR33

URL: <https://www.sxplc.com/relay-rm22tr33>

### Product data sheet

Reset time	1500 ms at maximum voltage
Maximum switching voltage	250 V AC
Minimum switching current	10 mA at 5 V DC
Maximum switching current	8 A AC
[Us] rated supply voltage	AC/DC
Supply voltage limits	304...576 V AC
operating limits	- 20 % + 20 % Un
Power consumption in VA	15 VA at 480 V AC 60 Hz
Voltage detection threshold	< 100 V AC
supply voltage frequency	50...60 Hz +/- 10 %
Output contacts	2 C/O
Nominal output current	8 A
Setting accuracy of the switching threshold	+/- 10 % of the full scale
Switching threshold drift	<= 0.05 % per degree centigrade depending permissible ambient air temperature <= 1 % within the supply voltage range
Setting accuracy of time delay	10 P

	<p>ambient air temperature</p> <p><math>\leq 1\%</math> within the supply voltage range</p>
Time delay drift	$\leq 0.05\%$ per degree Celsius depending permissible
Run-up delay at power-up	650 ms
Maximum measuring cycle	150 ms measurement cycle as true rms value
Threshold adjustment voltage	2...20 % of $U_n$ selected
Voltage range	380...480 V phase to phase
Repeat accuracy	<p><math>\pm 0.5\%</math> for input and measurement circuit</p> <p><math>\pm 3\%</math> for time delay</p>
Measurement error	<p><math>&lt; 1\%</math> over the whole range with voltage variation</p> <p><math>&lt; 0.05\%/^{\circ}\text{C}</math> with temperature variation</p>
Response time	$\leq 300$ ms
Overvoltage category	<p>III conforming to IEC 60664-1</p> <p>III conforming to UL 508</p>
Insulation resistance	$> 100$ MOhm at 500 V DC conforming to IEC 60255-27
Mounting position	Any position
Connections - terminals	<p>Screw terminals, <math>2 \times 0.5...2 \times 2.5</math> mm<sup>2</sup> (AWG 20...AWG 14) solid without cable end</p> <p>Screw terminals, <math>2 \times 0.2...2 \times 1.5</math> mm<sup>2</sup> (AWG 24...AWG 16) flexible with cable end</p> <p>Screw terminals, <math>1 \times 0.5...1 \times 3.3</math> mm<sup>2</sup> (AWG 20...AWG 12) solid without cable end</p> <p>Screw terminals, <math>1 \times 0.2...1 \times 2.5</math> mm<sup>2</sup> (AWG 24...AWG 14) flexible with cable end</p>
Tightening torque	0.6...1 N.m conforming to IEC 60947-1
Housing material	Self-extinguishing plastic
Status LED	<p>LED (yellow) relay ON</p> <p>LED (green) power ON</p>
Mounting support	35 mm DIN rail conforming to IEC 60715
Electrical durability	100000 cycles

Mechanical durability	10000000 cycles
Utilisation category	AC-15 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1 AC-1 conforming to IEC 60947-4-1 DC-1 conforming to IEC 60947-4-1
[Un] rated nominal voltage	, self-powered
Safety reliability data	MTTFd = 388.1 years B10d = 350000
Contacts material	Cadmium free
Control type	With test button
Width	22.5 mm
net weight	0.09 kg

