

# relay RE22R1DMR

URL:<https://www.sxplc.com/relay-re22r1dmr>

## Product data sheet

Discrete output type Relay

Product or Component Type Modular timing relay

Device short name RE22

Nominal output current 8 A

Complementary

Contacts type and composition 1 C/O timed contact, cadmium free

Time delay type Symmetrical flashing

time delay range 0.05...1 s

30...300 h

30...300 min

30...300 s

3...30 min

1...10 s

3...30 s

0.3...3 s

10...100 s

3...30 h

Control type Rotary knob

Diagnostic button

[Us] rated supply voltage 24...240 V AC/DC 50/60 Hz

Release input voltage  $\leq 2.4$  V

Voltage range 0.85...1.1 Us

Supply frequency 50...60 Hz  $\pm 5$  %

Connections - terminals Screw terminals, 1 x 0.5...1 x 3.3 mm<sup>2</sup> AWG 20...AWG 12) solid without cable end

Screw terminals, 2 x 0.5...2 x 2.5 mm<sup>2</sup> AWG 20...AWG 14) solid without cable end

Screw terminals, 1 x 0.2...1 x 2.5 mm<sup>2</sup> AWG 24...AWG 14) flexible with cable end

Screw terminals, 2 x 0.2...2 x 1.5 mm<sup>2</sup> AWG 24...AWG 16) flexible with cable end

Tightening torque 5.3...8.9 lbf.in (0.6...1 N.m) IEC 60947-1

Housing material Self-extinguishing

Repeat accuracy +/- 0.5 % IEC 61812-1

Temperature Drift +/- 0.05 %/°C

Voltage drift +/- 0.2 %/V

Setting accuracy of time delay +/- 10 % of full scale 25 °C IEC 61812-1

Control signal pulse width 100 ms with load in parallel

30 ms

Insulation resistance 100 MOhm 500 V DC IEC 60664-1

Recovery time 120 ms on de-energisation

Immunity to microbreaks 10 ms

Power consumption in VA 3 VA 240 V AC

Power consumption in W 1.5 W 240 V DC

Switching capacity in VA 2000 VA

Minimum switching current 10 mA 5 V DC

Maximum switching current 8 A

Maximum switching voltage 250 V AC

Electrical durability 100000 cycles, 8 A at 250 V, AC-1

100000 cycles, 2 A at 24 V, DC-1

Mechanical durability 10000000 cycles

Rated impulse withstand voltage 5 kV 1.2...50  $\mu$ s IEC 60664-1

Power on delay 100 ms

Creepage distance 4 kV/3 IEC 60664-1

Overvoltage category III IEC 60664-1

Safety reliability data B10d = 280000

MTTFd = 308.2 years

Mounting position Any position

Mounting support 35 mm DIN rail conforming to IEC 60715

Status LED Green LED backlight steady) dial pointer indication

Yellow LED steady) output relay energised

Yellow LED fast flashing) timing in progress and output relay de-energised

Yellow LED slow flashing) timing in progress and output relay energised

Function available D- Symmetrical flashing relay (starting pulse-off)-1 C/O

Dw- Symmetrical flashing relay (starting pulse-off) w/ retrigger/restart-1 C/O

Width 0.9 in (22.5 mm)

Net Weight 0.2 lb(US) (0.1 kg)

Control Type With test button

Number of functions 2

