Specifications





Off-delay Timing Relay - 0.05s... 10min - 24...240V AC/DC - 2C/O

RE22R2KMR

Main

Range of product	Harmony Timer Relays
Discrete output type	Relay
Product or component type	Modular timing relay
Device short name	RE22
Nominal output current	5 A

Complementary

complementary		
Contacts type and composition	2 C/O timed contact, cadmium free	
time delay type	Delay on de-energization	
time delay range	10100 s	
	0.051 s	
	30300 s	
	330 s	
	110 min	
	110 s	
	0.33 s	
Control type	Rotary knob	
	Potentiometer external	
[Us] rated supply voltage	24240 V AC/DC 50/60 Hz	
Release input voltage	<= 2.4 V	
	· _, v	
Voltage range	0.851.1 Us	
Supply frequency	5060 Hz +/- 5 %	
Connections - terminals	Screw terminals, 1 x 0.51 x 3.3 mm ² (AWG 20AWG 12) solid without cable end	
	Screw terminals, 2 x 0.52 x 2.5 mm ² (AWG 20AWG 14) solid without cable end	
	Screw terminals, 1 x 0.21 x 2.5 mm ² (AWG 24AWG 14) flexible with cable end	
	Screw terminals, 1 x 0.21 x 2.5 mm ² (AWG 24AWG 14) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm ² (AWG 24AWG 16) flexible with cable end	
	Screw terminals, 2 x 0.22 x 1.5 mm ⁻ (AvvG 24AvvG 16) flexible with cable end	
Tightening torque	0.61 N.m conforming to IEC 60947-1	
Housing material	Self-extinguishing	
Repeat accuracy	+/- 0.5 % conforming to IEC 61812-1	
Temperature drift	+/- 0.05 %/°C	
Voltage drift	+/- 0.2 %/V	
Setting accuracy of time delay	+/- 10 % of full scale at 25 °C conforming to IEC 61812-1	
Insulation resistance	100 MOhm at 500 V DC conforming to IEC 60664-1	
Recovery time	100 ms on de-energisation	
Immunity to microbreaks	10 ms	
Power consumption in VA	3 VA at 240 V AC	
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Power consumption in W	2 W at 240 V DC	
Switching capacity in VA	1250 VA	
Minimum switching current	10 mA at 5 V DC	
Maximum switching current	5 A	
Maximum switching voltage	250 V AC	
Electrical durability	100000 cycles, 2 A at 24 V, DC-1 100000 cycles, 5 A at 250 V, AC-1	
Mechanical durability	1000000 cycles	
Rated impulse withstand voltage	5 kV for 1.250 µs conforming to IEC 60664-1	
Power on delay	350 ms	
Creepage distance	4 kV/3 conforming to IEC 60664-1	
Overvoltage category	III conforming to IEC 60664-1	
Safety reliability data	B10d = 160000 MTTFd = 171.2 years	
Mounting position	Any position	
Mounting support	35 mm DIN rail conforming to IEC 60715	
Status LED	LED backlight green (steady) for dial pointer indication LED yellow (steady) for output relay energised LED yellow (steady) for power ON	
Function available	K-Delay on de-energization (without auxiliary supply)-1 C/O	
Width	22.5 mm	
Net weight	0.1 kg	
Control type	With test button	
Number of functions	1	

Environment

Dielectric strength	2.5 kV for 1 mA/1 minute at 50 Hz between relay output and power supply with basic insulation conforming to IEC 61812-1	
Standards	IEC 61812-1 UL 508	
Directives	2006/95/EC - low voltage directive 2004/108/EC - electromagnetic compatibility	
Product certifications	EAC UL RCM GL CCC CSA CE	
Ambient air temperature for operation	-2060 °C	
Ambient air temperature for storage	-4070 °C	
P degree of protection	IP40 housing: conforming to IEC 60529 IP20 terminals: conforming to IEC 60529 IP50 front panel: conforming to IEC 60529	
Pollution degree	3 conforming to IEC 60664-1	
Vibration resistance	20 m/s ² (f= 10150 Hz) conforming to IEC 60068-2-6	
Shock resistance	15 gn not operating for 11 ms conforming to IEC 60068-2-27 5 gn in operation for 11 ms conforming to IEC 60068-2-27	

Relative humidity	95 % at 2555 °C
Electromagnetic compatibility	Fast transients immunity test - test level: 1 kV level 3 (capacitive connecting clip) conforming to IEC 61000-4-4
	Surge immunity test - test level: 1 kV level 3 (differential mode) conforming to IEC 61000-4-5
	Surge immunity test - test level: 2 kV level 3 (common mode) conforming to IEC 61000-4-5
	Electrostatic discharge - test level: 6 kV level 3 (contact discharge) conforming to IEC 61000-4-2
	Electrostatic discharge - test level: 8 kV level 3 (air discharge) conforming to IEC 61000-4-2
	Radiated radio-frequency electromagnetic field immunity test - test level: 10 V/m level 3 (80 MHz1 GHz) conforming to IEC 61000-4-3
	Conducted RF disturbances - test level: 10 V level 3 (0.1580 MHz) conforming to IEC 61000-4-6
	Fast transient bursts - test level: 2 kV level 3 (direct contact) conforming to IEC 61000-4-4
	Immunity to microbreaks and voltage drops - test level: 30 % (500 ms) conforming to IEC 61000-4-11
	Immunity to microbreaks and voltage drops - test level: 100 $\%$ (20 ms) conforming to IEC 61000-4-11

Packing Units

V	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.6 cm
Package 1 Width	8.2 cm
Package 1 Length	9.5 cm
Package 1 Weight	109.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.694 kg
Unit Type of Package 3	P06
Number of Units in Package 3	640
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	86.18 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance



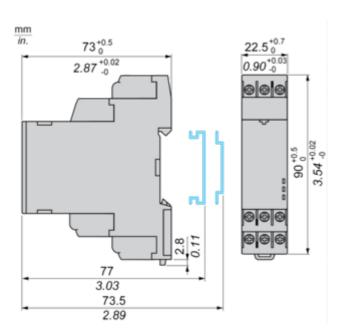
Rohs Exemption Information

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

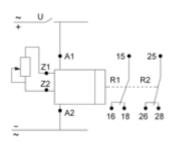
Dimensions Drawings

Dimensions



Connections and Schema

Wiring Diagram



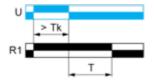
Technical Description

Function K: Delay On De-energization without Auxillary Supply

Description

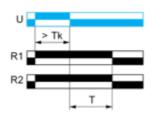
On energisation of power supply, the output(s) R close(s).On de-energisation of power supply, timing period T starts and at the end of this period, the output(s) R revert(s) to its/their initial state.The energization of power supply > Tk is necessary to sustain the timing period T.

Function: 1 Output





Function: 2 Outputs





Legend Relay de-energised Relay energised Output open Output closed U - Supply T - Timing period R1/R2 - 2 timed outputs