Produktdatablad

Specifikationer

Harmony tidsrelæ 22,5 mm asymmetrisk blinkrelæ/taktgiver (0,1 Sek-300 timer) med 1 C/O relæudgang på 8A og 24-240VAC/DC

El-nr.:
7523006801 RE22R1MLMR

EAN-nr: 3606480792441

Egenskaber

Produktserie	Harmony Timer Relays
digital udgangstype	Relæ
Produkttype	Modular timing relay
Enhedsforkortelse	RE22
Nominel udgangsstrøm	8 A

Produktinformationer

kontaktype og sammensætning	1 C/O timed contact, cadmium free
Tidsforsinkelsestype	Asymmetrical flashing
Tidsforsinkelse	0.05...1 s 30...300 min 30...300 h 30...300 s 3...30 h 0.3...3 s 3...30 min 3...30 s 10...100 s 1...10 s
betjening	Drejegreb Diagnostic button Potentiometer external
[Us] forsyningsspænding	24...240 V AC/DC 50/60 Hz
Release input voltage	<= 2.4 V
Spændingsområde	0.85...1.1 Us
tilslutningsfrekvens	50...60 Hz +/- 5 %
tilslutningsklemmer	Skrueterminaler, 1 x 0.5...1 x 3.3 mm² (AWG 20...AWG 12) stiv Uden kabeltylle Skrueterminaler, 2 x 0.5...2 x 2.5 mm² (AWG 20...AWG 14) stiv Uden kabeltylle Skrueterminaler, 1 x 0.2...1 x 2.5 mm² (AWG 24...AWG 14) Fleksibel Med kabeltylle Skrueterminaler, 2 x 0.2...2 x 1.5 mm² (AWG 24...AWG 16) Fleksibel Med kabeltylle
Tilspændingsmoment	0,6…1 N.m i henhold til IEC 60947-1
Kapslingsmateriale	Self-extinguishing
gentagelsesnøjagtighed	+/- 0.5 % i henhold til IEC 61812-1
Temperaturdrift	+/- 0.05 %/°C
Spændingsdrift	+/- 0.2 %/V
indstillingsnøjagtighed for tidsforsinkelse	+/- 10 % af fuld skala ved "25 °C" i henhold til IEC 61812-1

Time delay type	Asymmetrical flashing - L- Asymmetrical flashing relay (starting pulse-off) Asymmetrical flashing - Lt- Asymmetrical fl ashing relay (starting pulse-off) w/ pause/ summation (Y1) Asymmetrical flashing - Li- Asymmetrical flashing relay (starting pulse-on) Asymmetrical flashing - Lit- Asymmetrical flashing relay (starting pulse-on) w/ pause/ summation (Y1)
Control signal pulse width	100 milisekund med load in parallel 30 milisekund
isolationsmodstand	100 MOhm ved 500 V DC i henhold til IEC 60664-1
Recovery time	120 milisekund På afbrydelse af forsyning
imunitet over for microafbrydelser	10 milisekund
effektforbrug i VA	3 VA ved 240 V AC
effektforbrug i W	1,5 W ved 240 V DC
Koblingevne i VA	2000 VA
Mindste sluttestrøm	10 mA ved 5 V DC
Maksimal sluttestrøm	8 A
masimal spænding	250 V AC
elektrisk holdbarhed	100000 kredsløb, 8 A ved 250 V, AC-1 100000 kredsløb, 2 A ved 24 V, "DC-1"
Mekanisk holdbarhed	10000000 kredsløb
Rated impulse withstand voltage	5 kV til 1,2…50 mikrosekund i henhold til IEC 60664-1
Power on delay	100 milisekund
creepage distance	"4 kV/3" i henhold til IEC 60664-1
Overspændingskategori	III conforming to IEC 60664-1
sikkerhedsdata	MTTFd = 194 år B10d = 180000
mounting position	Any position
Montagevejledning	35 mm DIN skinne i henhold til "IEC 60715"
status LED	Grøn LED backlight (fast) til dial pointer indication Gul LED (fast) til output relay energised Gul LED (fast flashing) til timing in progress and output relay de-energised Gul LED (slow flashing) til timing in progress and output relay energised
funktion tilgængelig	L- Asymmetrical flashing relay (starting pulse-off)-1 C/O Lt- Asymmetrical fl ashing relay (starting pulse-off) w/ pause/summation (Y1)-1 C/O Li- Asymmetrical flashing relay (starting pulse-on)-1 C/O Lit- Asymmetrical flashing relay (starting pulse-on) w/ pause/summation (Y1)-1 C/O
bredde	22,5 mm
Vægt	0,1 kg
Type af betjening	With test button
Number of functions	4

Miljø

dielektrisk gennemslagsholdbarhed	2,5 kV til 1 mA/1 minut ved 50 Hz mellem relay output and power supply med basic insulation i henhold til IEC 61812-1
Standarder	IEC 61812-1 UL 508
Direktiver	2004/108/EC - elektromagnetisk kompatibilitet 2006/95/EC - lavspændingsdirektiv

Produktcertificeringer	EAC UL GL CSA RCM CCC CE
Omgivelsestemperatur under drift	-20…60 °C
Omgivelsestemperatur ved opbevaring	-40…70 °C
IP kapslingsklasse	IP40 hus: conforming to IEC 60529 IP50 Fronten: conforming to IEC 60529 IP20 terminaler: conforming to IEC 60529
Forureningsgrad	3 i henhold til IEC 60664-1
Vibrationsmodstand	"20 m/s²" (f= 10…150 Hz) conforming to IEC 60068-2-6
chokmodstand	15 gn ikke aktiv til 11 milisekund i henhold til IEC 60068-2-27 5 gn aktiv til 11 milisekund i henhold til IEC 60068-2-27
Relativ fugtighed	95 % ved 25…55 °C
Elektromagnetisk kompatibilitet	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 tilstand) conforming to IEC 61000-4-5 Surge immunity test - test level: 2 kV Level 3 (Almindelig tilstand) conforming to IEC 61000-4-5 Elektrostatisk afladning - test level: 6 kV Level 3 (kontaktafledning) conforming to IEC 61000-4-2 Elektrostatisk afladning - test level: 8 kV Level 3 (luftafladning) conforming to IEC 61000-4-2 Radiated radio-frekvens electromagnetic field immunity test - test level: 10 V/m Level 3 (80 MHz...1 GHz) conforming to IEC 61000-4-3 Udledt RF forstyrelser - test level: 10 V Level 3 (0.15...80 MHz) conforming to IEC 61000-4-6 Fast transient bursts - test level: 2 kV Level 3 (direct contact) conforming to IEC 61000-4-4 Immunitet overfor små udfald og spændingsfald - test level: 30 % (500 ms) conforming to IEC 61000-4-11 Immunitet overfor små udfald og spændingsfald - test level: 100 % (20 ms) conforming to IEC 61000-4-11

Forpakningsinformation

Enhedstype af pakke 1	PCE
Antal enheder i pakke 1	1
Pakke 1 Højde	8,2 cm
Pakke 1 Længde	9,5 cm
Package 1 Length	2,6 cm
Pakke 1 Vægt	107,0 g
Enhedstype af pakke 2	S02
Antal enheder i pakke 2	40
Pakke 2 Højde	15,0 cm
Pakke 2 Bredde	30,0 cm
Pakke 2 Længde	40,0 cm
Pakke 2 Vægt	4,735 kg
Enhedstype af pakke 3	PAL
Antal enheder i pakke 3	640
Pakke 3 Højde	50,0 cm

Pakke 3 Bredde	60,0 cm
Pakke 3 Længde	80,0 cm
Pakke 3 Vægt	86,18 kg

Logistik informationer

Oprindelsesland	ID

Environmental Data

Schneider Electrics mål er at opnå Net Zero-status i 2050 gennem partnerskaber med forsyningskæden, materialer med lavere påvirkning og cirkularitet via vores igangværende kampagne "Use Better, Use Longer, Use Again" for at forlænge produkternes levetid og genbrugelighed.

Forklaring af Environmental Data >

Sådan vurderer vi produktets bæredygtighed >

Miljøfodaftryk

CO2-belastning (kg CO2 eq.)	**64**

Use Better

Materialer og emballage

Pakke med genbrugspap	**Yes**
Emballage uden plast	**Yes**
EU RoHS-direktivet	**Proaktiv overensstemmelse (produkt ikke omfattet af EU RoHS)**
SCIP-nummer	**948566f8-a5c9-4da0-afbe-9524116a5ab8**
Reach-forordning	**REACh-erklæring**

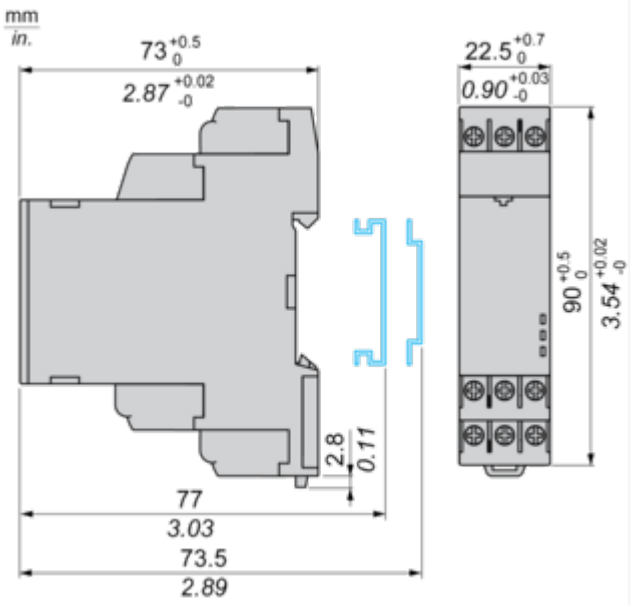
Use Again

Ompakning og genfremstilling

Returnering	**No**

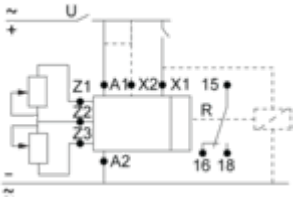
Dimensions Drawings

Dimensions



Connections and Schema

Wiring Diagram



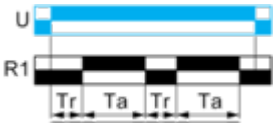
Technical Description

Function L: Asymmetrical Flashing Relay (Starting Pulse Off)

Description

On energisation of power supply, output(s) R starts at its/their initial state for timing duration Tr then change(s) to output(s) R close(s) for the another timing duration Ta.This cycle is repeated indefintely until power supply removal.

Function: 1 Output



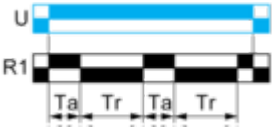
Function Li: Asymmetrical Flashing Relay (Starting Pulse On)

Description

On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration Ta then change(s) to its/ their initial state for timing duration Tr.This cycle is repeated indefintely until power supply removal.Specially for RE22R1MLMR, this Li function can only be initiated by energizing X2 permanently.

Function: 1 Output with Function Selection

Function: 1 Output

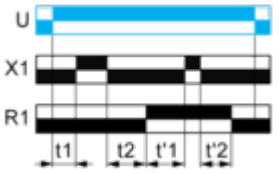


Function Lt: Asymmetrical Flashing Relay (Starting Pulse Off) & with Pause / Summation Control

Description

On energisation of power supply, output(s) R starts at its/their initial state for timing duration Tr and the timing can be interrupted / paused each time X1 energizes.When the cumulative total of time periods elapsed reaches the pre-set value Tr, then changes to output(s) R close(s).The output(s) R close state will remain for the same timing duration Ta and the timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value Ta, the output(s) R revert(s) to its/their initial state.This cycle is repeated indefinitely until power supply removal.

Function: 1 Output



T = t1 + t2 +…
T = t'1 + t'2 +…

Function Lit: Asymmetrical Flashing Relay (Starting Pulse On) & Pause / Summation Control

Description

On energisation of power supply, output(s) R starts at output(s) R close(s) for timing duration Ta and the timing can be interrupted / paused each time X1 energizes.When the cumulative total of time periods elapsed reaches the pre-set value Ta, the output(s) R revert(s) to its/their initial state.The output(s) R at intial state will remain for timing duration Tr the timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value Tr, then changes to output(s) R close(s) This cycle is repeated indefintely until power supply removal.Specially for RE22R1MLMR, this Li function can only be initiated by energizing X2 permanently

Function: 1 Output with Function Selection

T = t1 + t2 +…
T = t'1 + t'2 +…

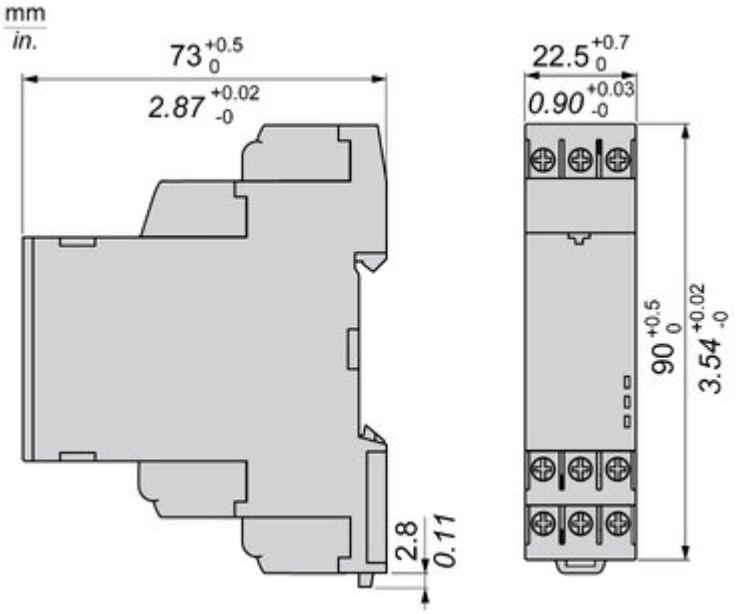
Legend

Relay de-energised
Relay energised
Output open
Output closed

U -	Supply
R1 -	Timed output
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
X1 -	Pause / Summation control
X2 -	Function Selection

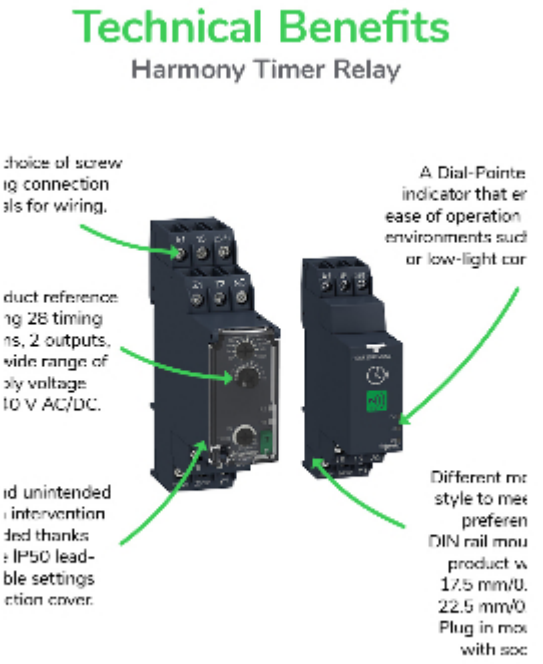
Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features



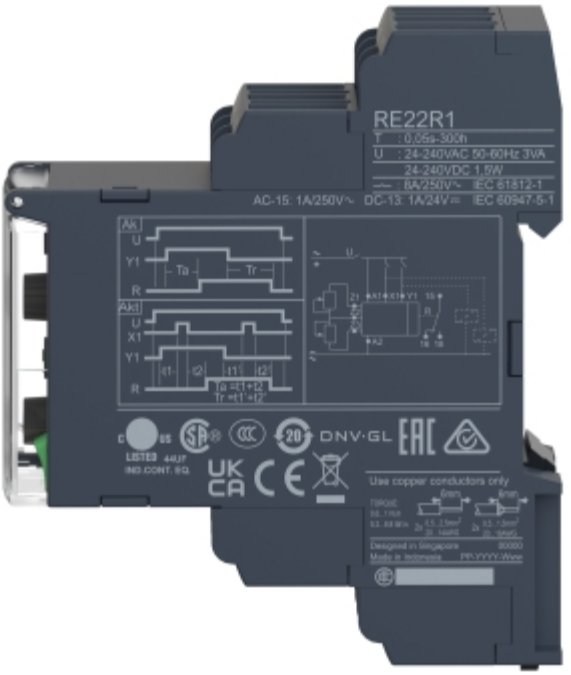
Offer Marketing Illustration

Product benefits / Features

Image of product / Alternate images

Alternative


A1
15
Y1
Z1
Z2
X1
Ta
Tr
DIAGNOSTIC
Schneider
18
16
A2
NC
NC
Z3


RE22R1
T : 0.05s-300h
U : 24-240VAC 50-60Hz 3VA
24-240VDC 1.5W
8A/250V~ IEC 61512-1
AC-15: 1A/250V~ DC-13: 1A/24V⎓ IEC 60947-5-1
Ak
U
Y1
Ta
Tr
R
Ak1
U
X1
Y1
R
Use copper conductors only
Designed in Singapore
Made in Indonesia