

Lista sa podacima o proizvodima

Specifikacije



multifunkcijski tajmer - 24VDC/ 24..240 V AC - 2 C/O

RE22R2MXMU

Osnovne informacije

Grupa proizvoda	Harmony Timer Relays
Tip digitalnog izlaza	Releji
Tip proizvoda ili komponente	Modularni vremenski releji
Kratko ime uređaja	RE22
Nazivna izlazna struja	8 A

Dopunske informacije

Tip i sastav kontakta	1 C/O vremenski podesivi kontakt 1 C/O vremenski podesivi ili trenutni kontakti
Tip kašnjenja	Pulse delay Safe-guard Bistable Interval
Opseg vremenskog kašnjenja	0.1...1 s 1...10 h 1...10 s 6...60 min 10...100 h 6...60 s 1...10 min
Način upravljanja	Zakretna ručica prednji panel
[us] nazivni napon napajanja	24...240 V 575 V 24 V DC
Opseg napona	0.85...1.1 Us
Frekvencija napajanja	AI1/PTC +/- 5 %
Povezivanje - priključci	Vijčani priključci, 2 x 1.5 mm ² sa kablovskim završetkom Vijčani priključci, 2 x 2.5 mm ² bez kablovskog završetka
Moment pritezanja	0,6...1 N.m u skladu sa IEC 60947-1
Materijal kućišta	Polikarbonat
Tačnost ponavljanja	+/- 0.5 % u skladu sa IEC 61812-1
Temperaturni drift	+/- 0.05 %/°C
Naponski drift	+/- 0.2 %/V
Podešavanje tačnosti kašnjenja	+/- 10 % od pune skale pri 25 °C u skladu sa IEC 61812-1

Sve cene koje su navedene u ovom cenovniku su informativne i neobavezujuće, bez PDV-a, isključivo u odnosu na ovlašćene distributere kompanije Schneider Electric. Svi prikazi, opisi i tehničke specifikacije i podaci u ovom cenovniku su podložni promenama od strane kompanije Schneider Electric bez prethodne najave.

Time delay type	Pulse delay - Ad- Pulse delayed relay w/ control signal Pulse delay - Ah- Pulse delayed relay (single cycle) w/ control signal Safe-guard - N- Safe-guard relay Safe-guard - O- Delayed Safe-guard relay Pulse delay - P- Pulse delayed relay w/ fixed pulse length Pulse delay - Pt- Pulse delayed relay w/ fixed pulse length and pause/summation Bistable - TI- Bistable relay w/ control signal on Bistable - Tt- Retriggerable bistable relay w/ control signal on Interval - W- Interval relay w/ control signal off
Control signal pulse width	30 milisekundi 100 milisekundi podopterećenje
Otpornost izolacije	100 MOhm pri 500 V DC u skladu sa PTC2
Recovery time	120 milisekundi pri isključenju
Otpornost na mikroprekide	10 milisekundi
Snaga potrošnje u va	50 VA pri 240 V AC
Snaga potrošnje u w	0,7 W pri 24 V DC
Prekidna moć	2000 VA
Minimalna struja preklapanja	10 mA pri 5 V
Maksimalna struja preklapanja	8 mA
Maksimalni napon preklapanja	250 V
Električna trajnost	100000 ciklusa za rezistivno opterećenje, 8 A pri 250 V, AC
Mehanička trajnost	10000000 ciklusa
Rated impulse withstand voltage	5 kV za 1,2...50 mikrosekundi u skladu sa PTC2 5 kV u skladu sa IEC 61812-1
Power on delay	100 milisekundi
Sigurnosni podaci o pouzdanosti	B10d = 170000 MTTFd = 182.6 godina
Pozicija montaže	Bilo koja pozicija u odnosu na normalnu vertikalnu montažnu ploču
Držač za montažu	35 mm DIN šina u skladu sa IEC 60715
Statusne led lampice	Zelena LED lampica (treperenje) za vremenska funkcija aktivna Zelena LED lampica (trajna) za uključeni uređaj Žuta LED lampica za kalem pod naponom
dostupna funkcija	Ad- Pulse delayed relay w/ control signal-2 C/O Ah- Pulse delayed relay (single cycle) w/ control signal-2 C/O N- Safe-guard relay-2 C/O O- Delayed Safe-guard relay-2 C/O P- Pulse delayed relay w/ fixed pulse length-2 C/O Pt- Pulse delayed relay w/ fixed pulse length and pause/summation-2 C/O TI- Bistable relay w/ control signal on-2 C/O Tt- Retriggerable bistable relay w/ control signal on-2 C/O W- Interval relay w/ control signal off-2 C/O
Širina	22,5 mm
masa proizvoda	0,09 kg
Tip upravljanja	With test button
Number of functions	9

Okruženje

Dielektrična snaga	2,5 kV za 1 mA/1 minut pri 50 Hz u skladu sa IEC 61812-1
Standardi	IEC 61812-1 IEC 61000-6-1 IEC 61000-6-3 IEC 61000-6-4 IEC 61000-6-2

Direktive	2006/95/EC - niskonaponska direktiva 2004/108/EC - elektromagnetna kompatibilnost
Sertifikacija proizvoda	CSA programabilan kao logički ulaz GL sajber-bezbedno ažuriranje firmvera kaskadno upravljanje više motora sprovedene i zračene emisije sa bajpasom ojačavanje portova i servisa
Temperatura okoline za rad uređaja	-20...60 °C
Temperatura okoline za skladištenje	-30...60 °C
Ip stepen zaštite	IP40 kućište: conforming to IEC 60529 IP50 prednja strana: conforming to IEC 60529 UKCA sertifikacija priključni blok: conforming to IEC 60529
Otpornost na vibracije	20 m/s ² (f= 10...150 Hz) conforming to IEC 60068-2-6
Otpornost na udare	15 gn za 11 milisekundi u skladu sa IEC 60068-2-27
Relativna vlažnost	93 %, bez kondenzacije u skladu sa IEC 60068-2-30
Elektromagnetna kompatibilnost	Test otpornosti elektrostatičkog pražnjenja - test level: 6 kV nivo 3 (kontakt pražnjenja) conforming to IEC 61000-4-2 Test otpornosti elektrostatičkog pražnjenja - test level: 8 kV nivo 3 (pražnjenje u vazduhu) conforming to IEC 61000-4-2 Test otpornosti brzih prelaza - test level: 1 kV nivo 3 (spojnica za kapacitivno povezivanje) conforming to IEC 61000-4-4 Test otpornosti brzih prelaza - test level: 2 kV nivo 3 (direktni kontakt) conforming to IEC 61000-4-4 Test otpornosti udara - test level: 1 kV nivo 3 (diferencijalni mod) conforming to IEC 61000-4-5 Test otpornosti udara - test level: 2 kV nivo 3 (asimetrični napon) conforming to IEC 61000-4-5 Test otpornosti na emisije vezane sa zračenjem EM polja - test level: 10 V nivo 3 (0.15...80 MHz) conforming to IEC 61000-4-6 Test otpornosti elektromagnetnog polja - test level: 10 V/m nivo 3 (80 MHz...1 GHz) conforming to IEC 61000-4-3 Otpornost na mikroprekide i propade napona - test level: 30 % (500 ms) conforming to RIC Otpornost na mikroprekide i propade napona - test level: 100 % (20 ms) conforming to RIC

Pakovanje

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3,100 cm
Package 1 Width	8,900 cm
Package 1 Length	10,000 cm
Package 1 Weight	106,000 g
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	15,000 cm
Package 2 Width	30,000 cm
Package 2 Length	40,000 cm
Package 2 Weight	4,622 kg
Unit Type of Package 3	P06
Number of Units in Package 3	640
Package 3 Height	70,000 cm

Package 3 Width	60,000 cm
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Package 3 Length	80,000 cm
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Package 3 Weight	90,709 kg
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Ugovorna garancija

Garancija (u mesecima)	18
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Schneider Electric namerava da postigne nulti status do 2050. godine kroz partnerstva sa lancem snabdevanja, materijale sa manjim uticajem i cirkularnost kroz našu tekuću kampanju "Use Better, Use Longer, Use Again" za produženje životnog veka proizvoda i reciklaže.

[Objašnjeni Environmental Data >](#)

[Kako procenjujemo održivost proizvoda >](#)

Ekološki otisak

Ukupan životni vek ugljeničnog otiska	54 kg CO2 eq.
Ugljenični otisak faze proizvodnje [A1–A3]	2 kg CO2 eq.
Ugljenični otisak faze distribucije [A4]	0 kg CO2 eq.
Ugljenični otisak faze instalacije [A5]	0 kg CO2 eq.
Ugljenični otisak faze korišćenja [B2, B3, B4, B6]	52 kg CO2 eq.
Ugljenični otisak faze kraja životnog ciklusa [C1–C4]	0.1 kg CO2 eq.
Izjava o zaštiti okoliša	Profil ekološke prihvatljivosti proizvoda

Use Better

Materijali i pakovanje

Pakovanje sa recikliranim kartonom	Da
Pakovanje bez plastike	Da
SCIP broj	7bdc2711-0ad2-427c-8ece-532c5e9f09d7
Direktiva RoHS	Usklađenost Sa Oslobađanjem
Uredba REACH	Referenca sadrži SVHC iznad propisanog praga

Use Longer

Produženje trajanja veka

Popravka	Ne
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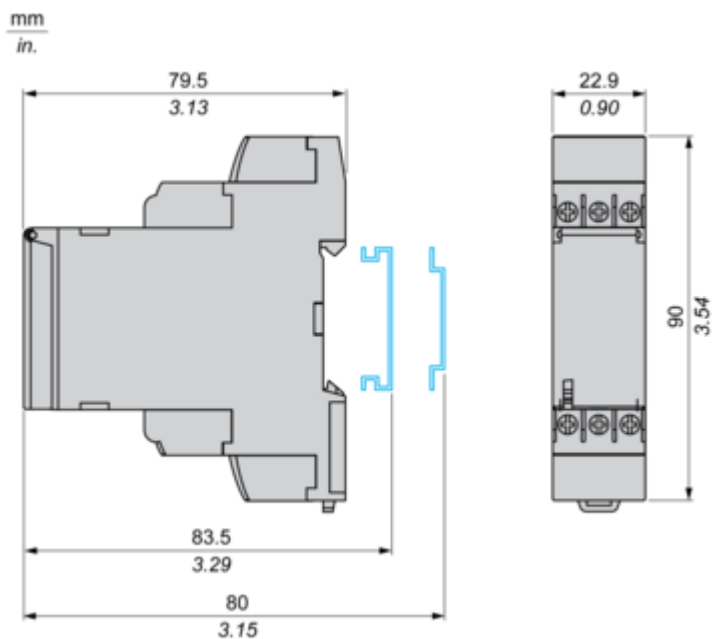
Use Again

Prepakovanje i prefabrikovanje

Profil cirkularnosti	Informacije o kraju radnog veka
Povraćaj	No

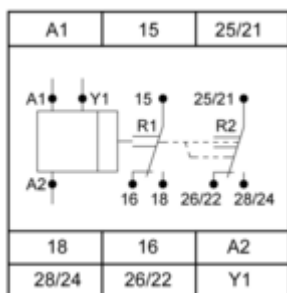
Dimensions Drawings

Dimensions

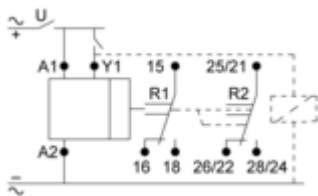


Connections and Schema

Internal Wiring Diagram



Wiring Diagram



Technical Description

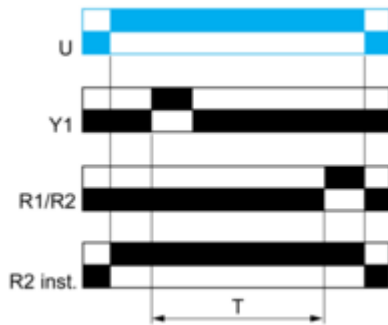
Function Ad : Pulse Delayed Relay with Control Signal

Description

After power-up, pulsing or maintaining of control contact Y1 starts the timing T.

At the end of this timing period T, the output R closes.

The output relay will be reset the next time control contact Y1 is pulsed or maintained.



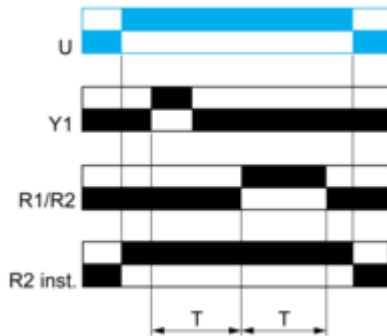
Function Ah : Pulse Delayed Relay (Single Cycle) with Control Signal

Description

After power-up, pulsing or maintaining of control contact Y1 starts the timing T. A single cycle then starts with 2 timing periods T of equal duration (start with output in rest position).

Output relay closes at the end of the first timing period T and reverts to its initial position at the end of the second timing period T.

Control contact Y1 must be reset in order to re-start the single flashing cycle.

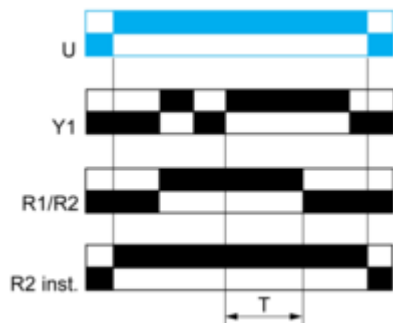


Function N : Retriggerable Interval Relay with Control Signal On

Description

After power-up and an initial control pulse C, the output relay closes.

If the interval between two control pulses C is greater than the set timing period T, timing elapses normally and the output relay closes at the end of the timing period. If the interval is not greater than the set timing period, the output relay remains closed until this condition is met.

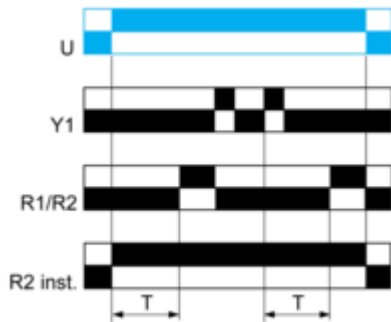


Function O : Retriggerable Interval Delayed Relay with Control Signal On

Description

An initial timing period T begins on energization. At the end of this timing period, the output relay closes.

As soon as there is a control pulse C , the output relay reverts to its initial state until the interval between two control pulses is less than the value of the set timing period T . Otherwise, the output relay closes at the end of the timing period T .

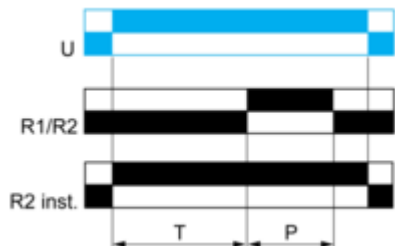


Function P : Pulse Delayed Relay with Fixed Pulse Length

Description

The timing period T begins on energization.

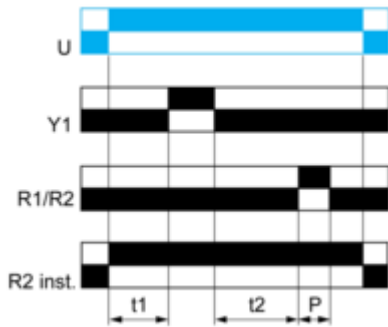
At the end of this period, the output relay closes for a fixed time P.



Function Pt : Pulse Delayed Relay (Summation and Fixed Pulse Length) with Control Signal Off

Description

On energization, timing period T starts (it can be interrupted by operating the Gate control contact G).
At the end of this period, the output relay closes for a fixed time P.

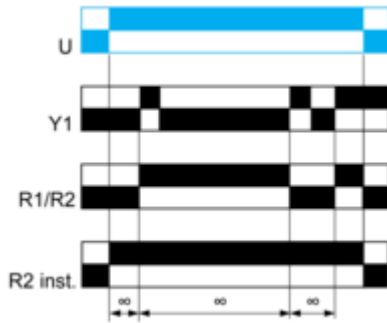


$$T = t1 + t2 \quad P = 500ms$$

Function TL : Bistable Relay with Control Signal On

Description

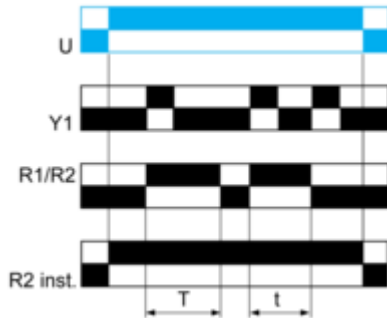
After power-up, pulsing or maintaining of control contact Y1 switches the output on.
A second pulse on the control contact Y1 switches the output relay off.



Function Tt :Retriggerable Bistable Relay with Control Signal On

Description

After power-up, pulsing or maintaining of control contact Y1 switches output relay on and starts timing T.
The output switches off at the end of the timing period T or following a second pulse on the control contact Y1.

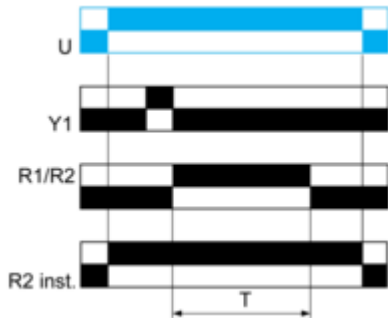


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.).

Function W :Interval Relay with Control Signal Off

Description

After power-up and opening of the control contact, the output(s) close(s) for a timing period T. At the end of this timing period the output(s) revert(s) to its/their initial state.



2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.).

Legend

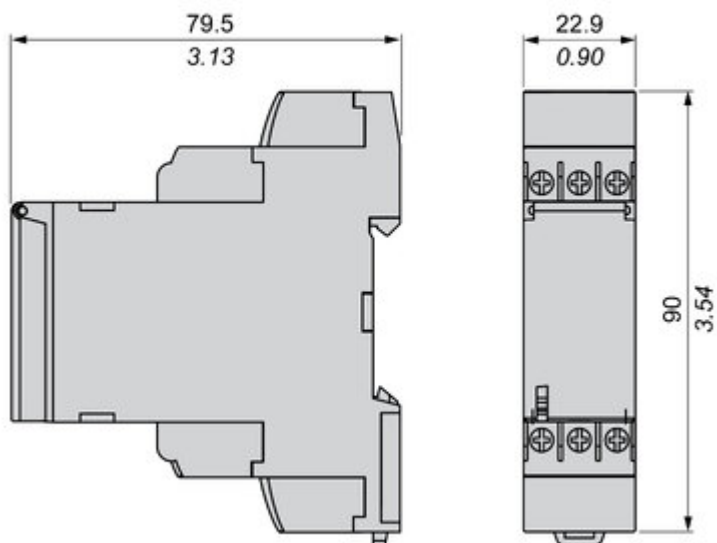
- Relay de-energised
- Relay energised
- Output open
- Output closed

Y1 :	Control contact
R1/R2 :	2 timed outputs
R2 inst. :	The second output is instantaneous if the right position is selected
T :	Timing period
U :	Supply

Technical Illustration

Dimensions

mm
in.



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony Timer Relay

Flexible choice of screw or spring connection terminals for wiring.

One product reference covering 28 timing functions, 2 outputs, and a wide range of supply voltage 24...240 V AC/DC.

Dust and unintended human intervention avoided thanks to the IP50 lead-sealable settings protection cover.



A Dial-Pointer LED indicator that enhances ease of operation in difficult environments such as dusty or low-light conditions

Different mounting style to meet your preference:
DIN rail mount with product width; 17.5 mm/0.69 in.
22.5 mm/0.88 in.
Plug in mounting with socket



Offer Marketing Illustration

Product benefits / Features



Features

Harmony Timer Relay

- 

"Diagnostic button" to check downstream circuit immediately, shorten the commission and troubleshooting time
- 

Compatible with a wide range of applications including machines, buildings, water segments, and HVAC.
- 

Wide range of time delay for adjustment: from 0.01 s to 999 hrs.
- 

Compliant with IEC 60255-1 standard, and a wide array of product certifications such as UL, CE, CSA, EAC.
- 

Unprecedented accuracy, predictive maintenance, and superior security.

Image of product / Alternate images

Alternative

