Productinformatieblad

Specificaties

Multifunctioneel vertragingsrelais - 12..240 V AC/DC - 2 uitsn.

RE22R2MMW

Hoofdkenmerken

productgamma	Harmony-timerrelais
discreet uitgangstype	Relais
type product of component	Modulaire tijdrelais
korte naam apparaat	RE22
nominale uitgangsstroom	8 A

Complementaire kenmerken

type en samenstelling contact	1 C/O tijdcontact 1 C/O tijd- of onmiddellijk contact
type tijdvertraging	Vertraging bij inschakeling Vertraging bij in- en uitschakelen Interval Vertraging bij uitschakeling Symmetrisch knipperend
bereik tijdvertraging	0.1...1 s 6...60 s 1...10 H 1...10 min 1...10 s 10...100 H 6...60 min
type bediening	Draaiknop frontpaneel
[Us] nominale voedingsspanning	12...240 V AC/DC
spanningsbereik	0.85...1.1 Us
voedingsfrequentie	50...60 Hz +/- 5 %
aansluitingen - klemmen	Schroefklemmen, 2 x 1,5 mm² met kabelhuls Schroefklemmen, 2 x 2.5 mm² zonder kabelhuls
aandraaimoment	0,6…1 N.m conform IEC 60947-1
materiaal behuizing	Zelf dovend
herhalingsnauwkeurigheid	+/-0,5% conform IEC 61812-1
temperatuurafwijking	+/- 0,05%/°C
spanningsverloop	+/- 0,2 %/V
instelling nauwkeurigheid tijdsvertraging	+/- 10 % of full scale bij 25 °C conform IEC 61812-1

Disclaimer: Deze documentatie is niet bedoeld als vervanging voor en mag niet worden gebruikt voor het bepalen van de geschiktheid of betrouwbaarheid van deze producten voor specifieke gebruikerstoepassingen

Time delay type	Vertraging bij inschakeling - A- Vertragingsrelais bij inschakeling Vertraging bij in- en uitschakelen - Ac - Vertragingsinschakeling en uitschakelrelais m/ controlesignaal Vertraging bij inschakeling - Bij- Vertragingsrelais bij inschakeling vermogen m/ pauze/optelling (Y1) Interval - B- Eén intervalrelais met controlesignaal Interval - Bw- Dubbel intervalrelais m/ besturingssignaal Vertraging bij uitschakeling - C- Uit-vertragingsrelais m/ controlesignaal Symmetrisch knipperend - D- Symmetrisch knipperend relais (start pulse-off) Symmetrisch knipperend - Di- Symmetrisch knipperend relais (start puls-on) Interval - H- Intervalrelais Interval - Ht- Intervalrelais m/ pauze/optelling (Y1)
Pulsbreedte stuursignaal	30 ms 100 ms belast
isolatieweerstand	100 MOhm bij 500 V DC conform IEC 60664-1
Hersteltijd	120 ms bij de-energisatie
immuniteit voor micro-onderbrekingen	10 ms
energieverbruik in VA	3 VA bij 240 V AC
stroomverbruik in W	1,5 W bij 240 V DC
uitschakelvermogen	2000 VA
minimale schakelstroom	10 mA bij 5 V
maximale schakelstroom	8 A
maximale schakelspanning	250 V
elektrische levensduur	100000 cycli voor resistief laden, 8 A bij 250 V, AC
mechanische levensduur	10000000 cycli
Toegekende stoothoudspanning	5 kV voor 1,2…50 µs conform IEC 60664-1 5 kV conform IEC 61812-1
Vertraging bij inschakeling	100 ms
veiligheid van de betrouwbaarheid data	B10d = 230000 MTTFd = 251.1 jaar
montagepositie	Eender welke positie in verhouding tot het normale verticale montagevlak
montagesteun	35 mm DIN rail conform IEC 60715
status LED	Groen LED (knipperend) voor timing bezig Groen LED (stabiel) voor stroom AAN Geel LED voor relais aangetrokken
functie beschikbaar	A- Vertragingsrelais bij inschakeling-2 C/O Ac - Vertragingsinschakeling en uitschakelrelais m/ controlesignaal-2 C/O Bij- Vertragingsrelais bij inschakeling vermogen m/ pauze/optelling (Y1)-2 C/O B- Eén intervalrelais met controlesignaal-2 C/O Bw- Dubbel intervalrelais m/ besturingssignaal-2 C/O C- Uit-vertragingsrelais m/ controlesignaal-2 C/O D- Symmetrisch knipperend relais (start pulse-off)-2 C/O Di- Symmetrisch knipperend relais (start puls-on)-2 C/O H- Intervalrelais-2 C/O Ht- Intervalrelais m/ pauze/optelling (Y1)-2 C/O
breedte	22,5 mm
gewicht product	0,093 kg
type bediening	Met testknop
Aantal functies	10

Omgeving

doorslagvastheid	2,5 kV voor 1 mA/1 minuut bij 50 Hz conform IEC 61812-1

normen	IEC 61812-1 IEC 61000-6-2 IEC 61000-6-1 IEC 61000-6-4 IEC 61000-6-3
richtlijnen	2004/108/EG - Elektromagnetische compatibiliteit 2006/95/EG - laagspanningsrichtlijn
productcertificeringen	CSA CE cULus GL RCM CCC EAC
omgevingstemperatuur bij werking	-20…60 °C
omgevingstemperatuur bij opslag	-30…60 °C
IP-beschermingsgraad	IP40 behuizing: conforming to IEC 60529 IP20 klemmenblok: conforming to IEC 60529 IP40 voorkant: conforming to IEC 60529
trillingsweerstand	20 m/s² (f= 10…150 Hz) conforming to IEC 60068-2-6
schokbestendigheid	15 gn voor 11 ms conform IEC 60068-2-27
relatieve vochtigheid	93 %, zonder condensatie conform IEC 60068-2-30
elektromagnetische compatibiliteit	Elektrostatische ontlading immuniteitstest - test level: 6 kV niveau 3 (contactontlading) conforming to IEC 61000-4-2 Elektrostatische ontlading immuniteitstest - test level: 8 kV niveau 3 (luchtontlading) conforming to IEC 61000-4-2 Fast transients immunity test - test level: 1 kV niveau 3 (capacitieve verbindingsclip) conforming to IEC 61000-4-4 Fast transients immunity test - test level: 2 kV niveau 3 (direct contact) conforming to IEC 61000-4-4 Immuniteitstest overspanning - test level: 1 kV niveau 3 (differentieelmodus) conforming to IEC 61000-4-5 Immuniteitstest overspanning - test level: 2 kV niveau 3 (gewone modus) conforming to IEC 61000-4-5 Radiofrequent elektromagnetisch veld immuniteitstest - test level: 10 V niveau 3 (0.15...80 MHz) conforming to IEC 61000-4-6 Elektromagnetisch veld immuniteitstest - test level: 10 V/m niveau 3 (80 MHz...1 GHz) conforming to IEC 61000-4-3 Bestand tegen micro-onderbrekingen en spanningsverlies - test level: 30 % (500 ms) conforming to IEC 61000-4-11 Bestand tegen micro-onderbrekingen en spanningsverlies - test level: 100 % (20 ms) conforming to IEC 61000-4-11 Geleide en uitgestraalde emissies klasse B conforming to EN 55022

Verpakkingseenheden

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3,000 cm
Package 1 Width	8,600 cm
Package 1 Length	9,900 cm
Package 1 Weight	108,000 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	4,800 kg

Contractuële waarborg

Garantie	18 maanden

Environmental Data

Schneider Electric wil tegen 2050 de Net Zero-status hebben bereikt via partnerschappen in de toeleveringsketen, materialen met een lagere impact en circulariteit via onze doorlopende campagne "Use Better, Use Longer, Use Again" om de levensduur van producten en de recycleerbaarheid te verlengen.

Uitleg van Environmental Data >

Hoe evalueren we de duurzaamheid van producten? >

Milieuvoetafdruk

Koolstofvoetafdruk (kg CO2 eq.)	66
Milieurapportage	Milieuprofiel van het product

Use Better

Materialen en verpakking

Pakket met gerecycleerd karton	Ja
Verpakkingen zonder kunststof	Ja
RoHS-richtlijn EU	Pro-actieve naleving (product valt buiten juridisch toepassingsgebied RoHS EU)
SCIP-nummer	7bdc2711-0ad2-427c-8ece-532c5e9f09d7
REACh-regeling	REACh-verklaring
RoHS-verordening China	RoHS-verklaring China

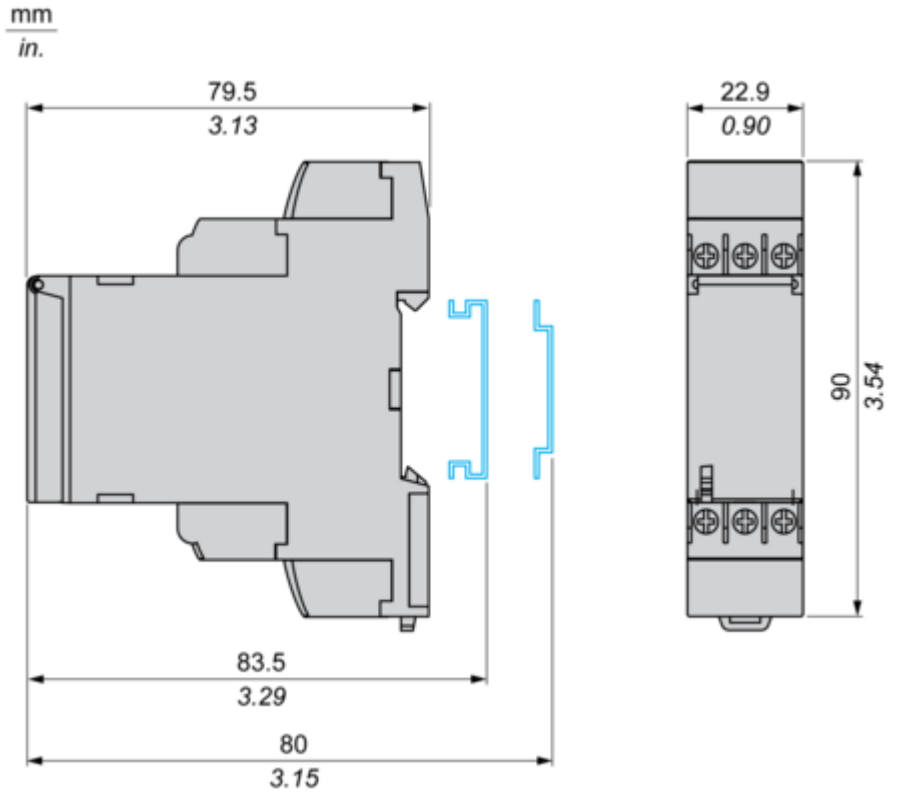
Use Again

Herverpakken en herfabriceren

Circulariteitsprofiel	Informatie over einde levensduur
Terugname	No

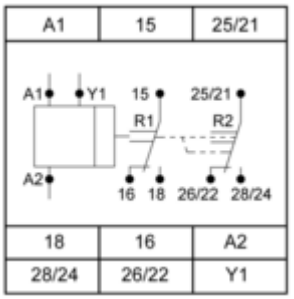
Dimensions Drawings

Dimensions

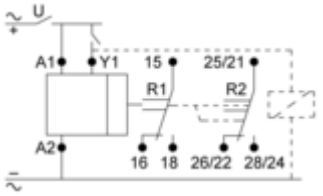


Connections and Schema

Internal Wiring Diagram



Wiring Diagram

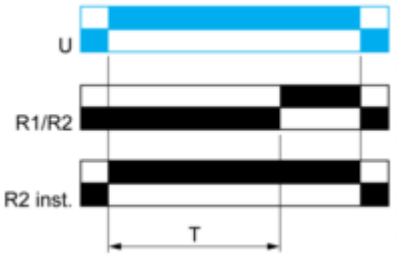


Technical Description

Function A : Power on Delay Relay

Description

The timing period T begins on energization. After timing, the output(s) relay close(s).

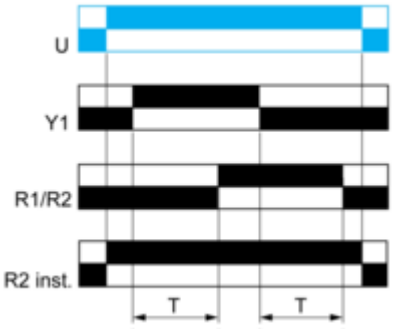


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function Ac : On- and Off-Delay Relay with Control Signal

Description

After power-up, closing of the control contact Y1 causes the timing period T to start (timing can be interrupted by operating the Gate control contact G). At the end of this timing period, the relay closes.
When control contact Y1 re-opens, the timing T starts.At the end of this timing period T
At the end of this timing period T, the output reverts to its initial position (timing can be interrupted by operating the Gate control contact G).

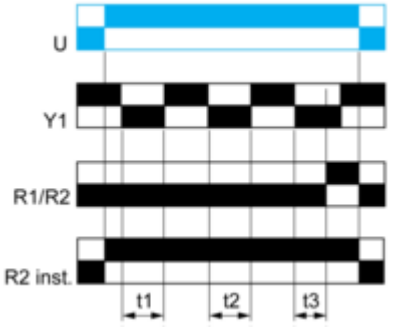


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function At : Power on Delay Relay (Summation) with Control Signal

Description

After power-up, the first opening of control contact Y1 starts the timing. Timing can be interrupted each time control contact closes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output relay closes.

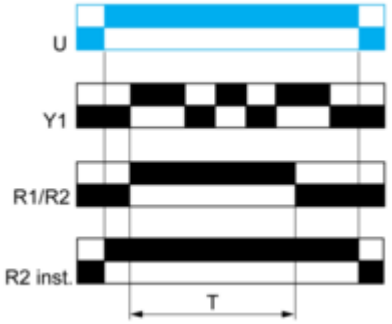


T = t1+t2+t3

Function B : Interval Relay with Control Signal

Description

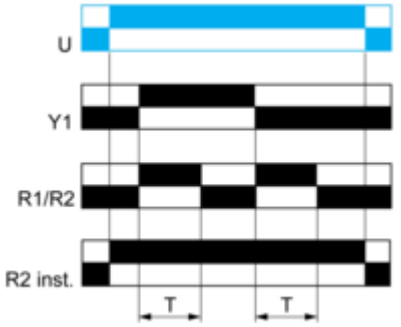
After power-up, pulsing or maintaining control contact Y1 starts the timing T. The output relay closes for the duration of the timing period T then reverts to its initial state.



Function Bw : Double Interval Relay with Control Signal

Description

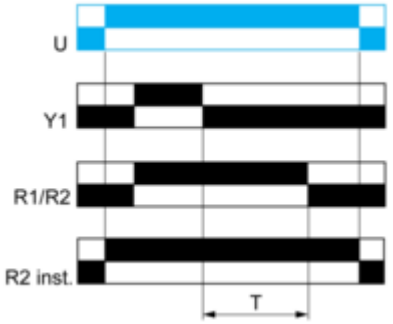
On closing and opening of control contact Y1, the output relay closes for the duration of the timing period T.



Function C : Off-Delay Relay with Control Signal

Description

After power-up and closing of the control contact Y1, the output relay closes. When control contact Y1 re-opens, timing T starts. At the end of the timing period, the output(s) relay revert(s) to its/their initial state.

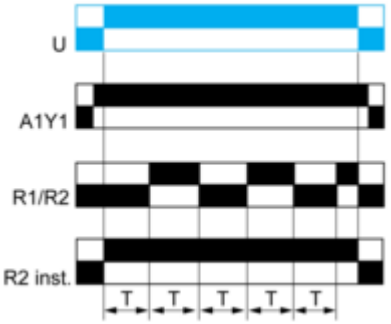


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function D : Symmetrical Flasher Relay (Starting Pulse Off)

Description

Repetitive cycle with two timing periods T of equal duration, with output(s) relay changing state at the end of each timing period T.



Before power-up Y1 should be permanently connected to A1.
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function D : Symmetrical Flasher Relay (Starting Pulse On)

Description

Repetitive cycle with two timing periods T of equal duration, with output(s) relay changing state at the end of each timing period T.

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

Function H : Interval Relay

Description

On energization of the relay, timing period T starts and the output(s) relay close(s). At the end of the timing period T, the output(s) relay 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

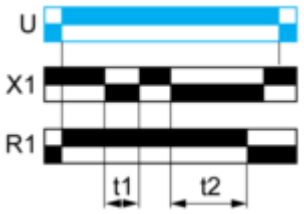
Y1 :	Control contact
R1/R2 :	2 timed outputs
R2 inst. :	The second output is instantaneous if the right position is selected
T :	Timing period
U :	Supply

Function Ht: Interval Relay & With Pause / Summation Control

Description

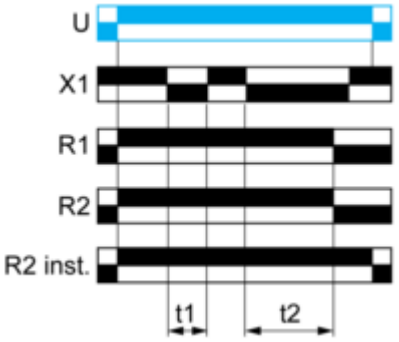
On energisation of power supply, output(s) R close(s) and timing period T starts.
The timing can be interrupted / paused each time X1 energizes.
When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state Reenergization of X1 will also cause output(s) R close(s) if the time has elapsed and restart the same operation as described at the beginning.
Except for RE17*, RE22R2MMW, RENF22R2MMW, RE22R2MMU and RE22R2MJU, timing can be interrupted / paused each time Y1 energizes.
The second output (R2) can be either timed (when set to “TIMED” or instantaneous (when set to “INST”).

Function: 1 Output



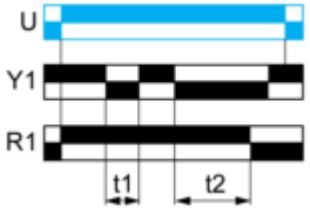
T = t1 + t2 +...

Function: 2 Outputs



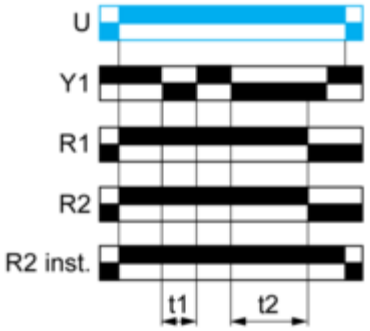
T = t1 + t2 +...

Function: 1 Output with Retrigger / Restart Control



T = t1 + t2 +...

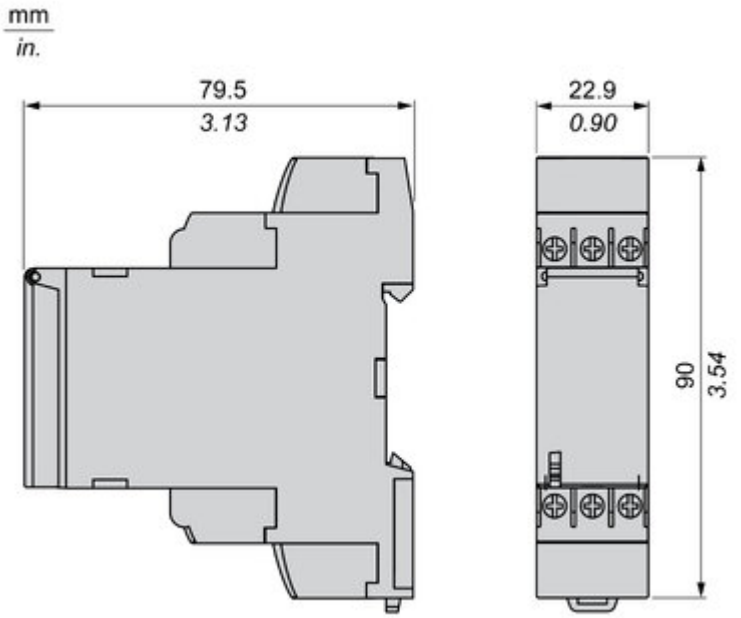
Function: 2 Outputs with Retrigger / Restart Control



T = t1 + t2 +...

Technical Illustration

Dimensions



Offer Marketing Illustration

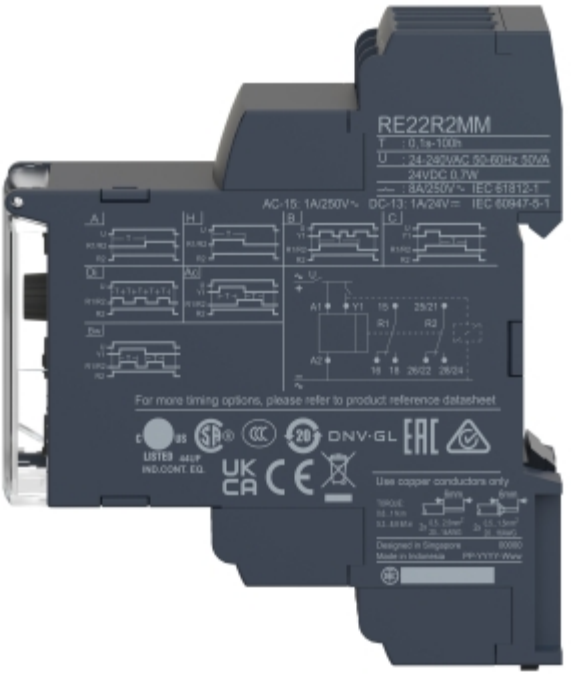
Product benefits / Features

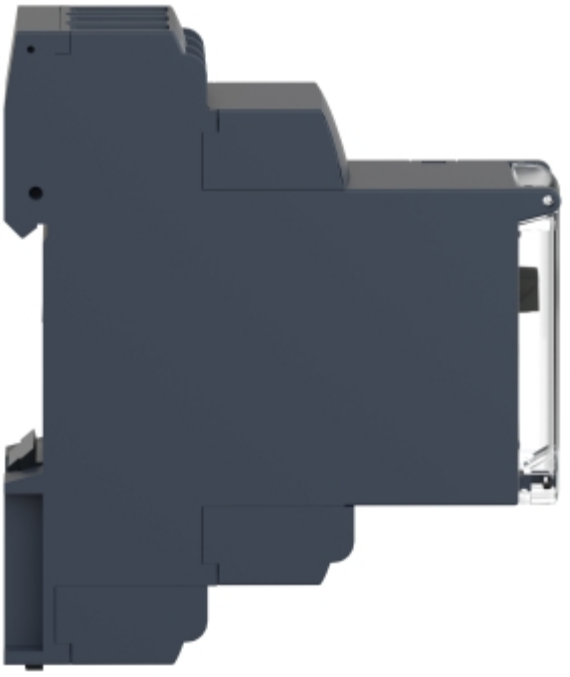
Offer Marketing Illustration

Product benefits / Features

Image of product / Alternate images

Alternative


RE22R2MM
AC-15: 1A/250V~ DC-13: 1A/24V=
For more timing options, please refer to product reference datasheet
DNV·GL
Use copper conductors only



A1
15
25/21
R2
R1
Un
Schneider
18
16
A2
28/24
26/22
Y1