Product data sheet
Characteristics

RE22R2MMW
Releu Multifunctie, 12, 240 V Ca/Cc, 2 I/D

Principal

Gama de produse	Harmony Timer Relays
Tip produs sau componenta	Multifunction relay
Tip de iesire discreta	Releu
Nume scurt al dispozitivului	RE23
Curent nominal de iesire	8 A

Suplimentar

Tip si compozitie contacte	1 C/O contact temporizat 1 C/O contacte temporizate sau instantanee
Tip intarziere	Power on-delay On-delay and off-delay Interval Temporizare la revenire Symmetrical flashing
Intervalul de intarziere	0.1...1 s 6...60 s 1...10 H 1...10 min 1...10 s 10...100 H 6...60 min
Tip de control	Maner sferic rotativ panou frontal
[Us] tensiune nominala de alimentare	12...240 V c.a./c.c.
Interval de tensiune	0,85...1,1 Us
Frecventa de alimentare	50...60 Hz +/- 5 %
Conexiuni - borne	Borne cu surub, 2 x 1,5 mm² cu pini Borne cu surub, 2 x 2.5 mm² fara terminale de cablu
Cuplu de strangere	0,6…1 N.m conformitate cu IEC 60947-1
Material carcasa	Autostingere
Precizie de repetare	+/- 0,5 % conformitate cu IEC 61812-1
Abatere temperatura	+/- 0,05 %/°C
Abatere a tensiunii	+/- 0,2 %/V
Setarea preciziei temporizarii	+/- 10 % din capatul scarii la 25 °C conformitate cu IEC 61812-1
Control signal pulse width	30 Ms 100 ms sub sarcină
Rezistenta de izolatie	100 MΩ la 500 V c.c. conformitate cu SR EN 60664-1
Recovery time	120 ms la întreruperea alimentarii
Imunitate la microintreruperi	10 ms
Puterea consumata in VA	3 VA la 240 V c.a.
Puterea consumata in W	1,5 W la 240 V c.c.
Capacitate de rupere	2000 VA
Curentul minim de comutare	10 mA la 5 V
Curent maxim comutat	8 A

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Tensiunea maxima de comutatie	250 V
Durabilitate electrica	100000 cic pentru rezistiv sarcina, 8 A la 250 V, AC
Durabilitate mecanica	10000000 cic
Rated impulse withstand voltage	5 KV pentru 1,2…50 µs conformitate cu SR EN 60664-1 5 kV conformitate cu IEC 61812-1
Power on delay	100 ms
Fiabilitate securitate date	B10d = 230000 MTTFd = 251.1 ani
Pozitia de montaj	Orice pozi□ie în raport cu planul normal vertical de montare
Suport de montare	Sina DIN 35 mm conformitate cu IEC 60715
Stare LED	Verde LED (intermitent) pentru temporizare în progres Verde LED (stabil) pentru alimentat Galben LED pentru releu alimentat
Latime	22,5 mm
Greutate neta	0,093 kg
Number of functions	10

Mediu

Rigiditate dielectrica	2,5 kV pentru 1 mA/1 minut la 50 Hz conformitate cu IEC 61812-1
Standarde	IEC 61812-1 IEC 61000-6-2 IEC 61000-6-1 IEC 61000-6-4 IEC 61000-6-3
Directive	2004/108/EC - compatibilitate electromagnetică 2006/95/EC - directiva de joasă tensiune
Certificari produs	CSA[RETURN]UE[RETURN]cULus[RETURN]GL[RETURN]RCM[RETURN]CCC[RETURN]EAC
Temperatura ambientala de functionare	-20…60 °C
Temperatura ambietala pentru depozitare	-30…60 °C
Grad de protectie IP	IP40 carcasa: conforming to SR EN 60529 IP20 bloc terminal: conforming to SR EN 60529 IP40 parte frontala: conforming to SR EN 60529
Rezistenta la vibratii	20 m/s² (f= 10…150 Hz) conformitate cu IEC 60068-2-6
Rezistenta la socuri	15 gn pentru 11 ms conformitate cu IEC 60068-2-27
Umiditate relativa	93 %, fără condensare conformitate cu IEC 60068-2-30
Compatibilitate electromagnetica	Test de imunitate la descarcari electrostatice - test level: 6 kV nivel 3 (descarcare pe contact) conforming to IEC 61000-4-2 Test de imunitate la descarcari electrostatice - test level: 9 kV nivel 3 (descarcare în aer) conforming to IEC 61000-4-2 Test de imunitate la tranzienti rapizi - test level: 1 kV nivel 3 (brida de conectare capacitiva) conforming to IEC 61000-4-4 Test de imunitate la tranzienti rapizi - test level: 2 kV nivel 3 (contact direct) conforming to IEC 61000-4-4 Test de imunitate la supratensiuni - test level: 1 kV nivel 3 (mod diferential) conforming to IEC 61000-4-5 Test de imunitate la supratensiuni - test level: 2 kV nivel 3 (mod comun) conforming to IEC 61000-4-5 Test de imunitate la frecventa radio radiata - test level: 10 V nivel 3 (0.15 - 80 MHz) conforming to IEC 61000-4-6 Test de imunitate la câmp electromagnetic - test level: 10 V/m nivel 3 (80 MHz - 1 GHz) conforming to IEC 61000-4-3 Imunitate la microîntreruperi si caderi ale tensiunii - test level: 30 % (500 ms) conforming to IEC 61000-4-11 Imunitate la microîntreruperi si caderi ale tensiunii - test level: 100 % (21 ms) conforming to IEC 61000-4-11 Emisii conduse și radiate clasa B conforming to EN 55022

Unitati de ambalare

Unitate de masura pentru prima forma de impachetare	PCE
Numar unitati in prima forma de impachetare	1
Inaltime prima forma de impachetare	2,500 cm
Latime prima forma de impachetare	8,300 cm
Lungime prima forma de impachetare	9,600 cm
Greutate prima forma de impachetare	107,000 g

Unitate de masura pentru a doua forma de impachetare	S02
Numar unitati in a doua forma de impachetare	40
Inaltime a doua forma de impachetare	15,000 cm
Latime a doua forma de impachetare	30,000 cm
Lungime a doua forma de impachetare	40,000 cm
Greutate a doua forma de impachetare	4,800 kg

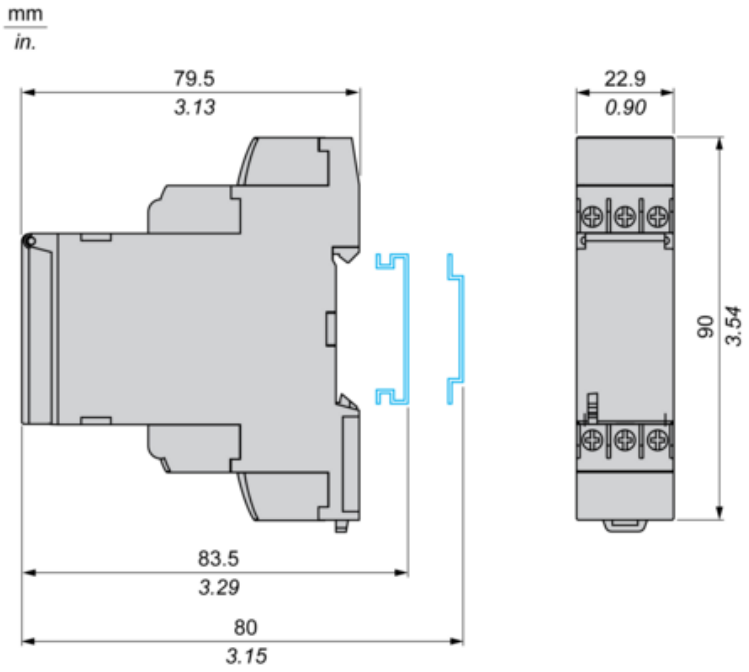
Sustenabilitatea ofertei

Stare ofertă sustenabilă	Produs Green Premium
Regulamentul REACH	Declaratia REACH
Directiva RoHS UE	Conformitate proactivă (Produs în afara domeniului de aplicare a EU RoHS)
Fara mercur	Da
Regulamentul RoHS China	Declaratia RoHS China
Informatii privind scutirea de la RoHS	Da
Raport de mediu	Profilul Ambiental Al Produsului
Profil circularitate	Informatii Privind Sfarsitul Duratei De Viata

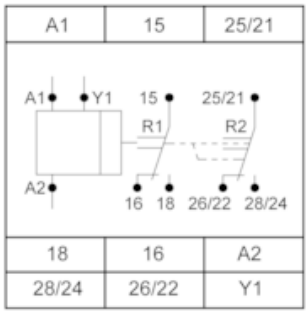
Garan□ie contractuală

Garantie	18 luni

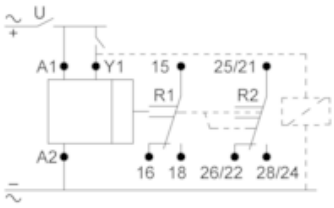
Dimensions



Internal Wiring Diagram



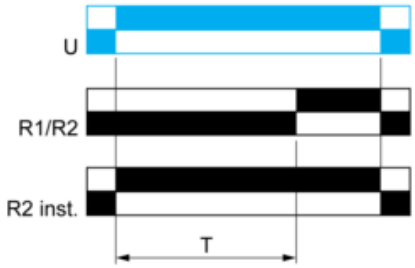
Wiring Diagram



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.)

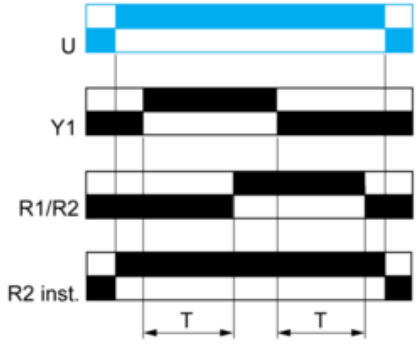
Function Ac : On- and Off-Delay Relay with Control Signal

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).

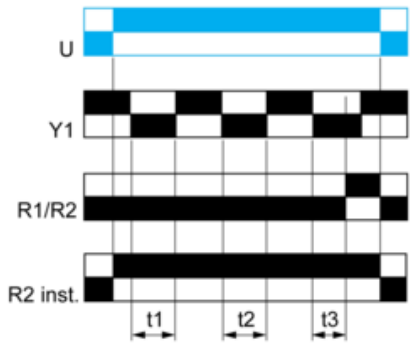


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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.

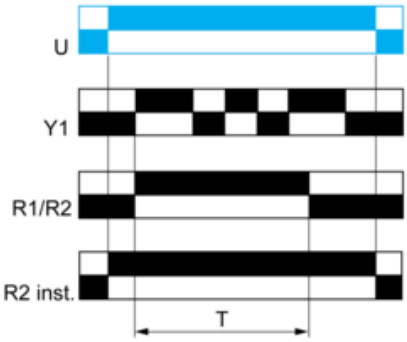


T = t1+t2+t3

Function B : Interval Relay with Control Signal

Description

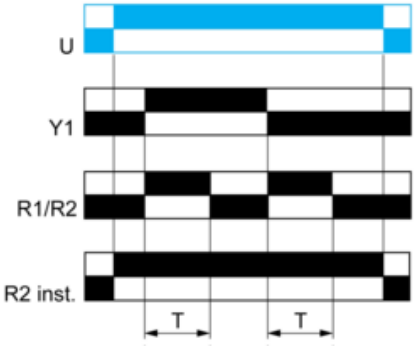
After power-up, pulsing or maintaining control contact Y1 starts the timing T. The output relay closes for the duration of the timing period T then reverts to its initial state.



Function Bw : Double Interval Relay with Control Signal

Description

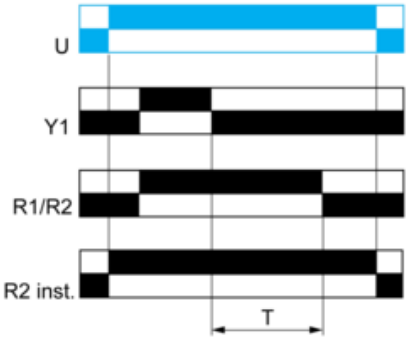
On closing and opening of control contact Y1, the output relay closes for the duration of the timing period T.



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.

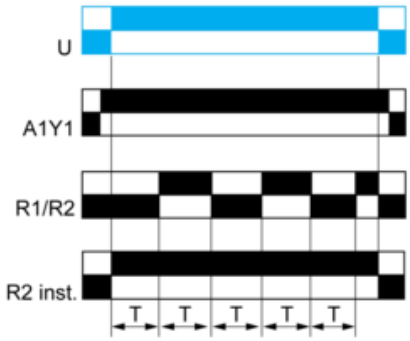


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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.



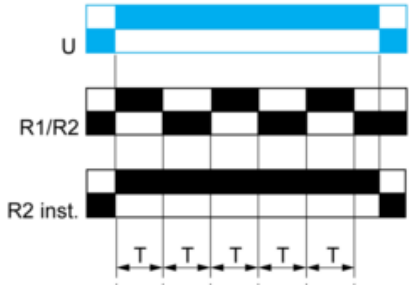
Before power-up Y1 should be permanently connected to A1.

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.

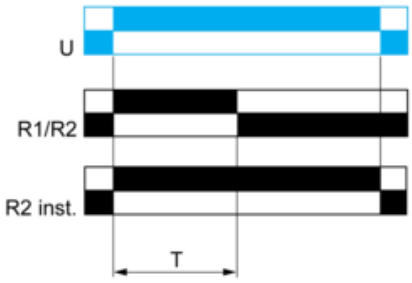


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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.

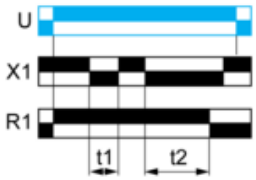
The timing can be interrupted / paused each time X1 energizes.

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.

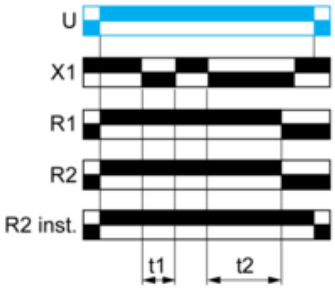
The second output (R2) can be either timed (when set to “TIMED” or instantaneous (when set to “INST”).

Function: 1 Output



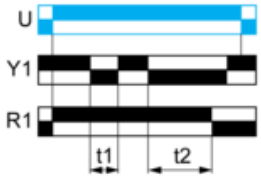
T = t1 + t2 +...

Function: 2 Outputs



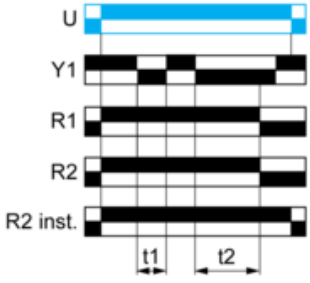
T = t1 + t2 +...

Function: 1 Output with Retrigger / Restart Control



T = t1 + t2 +...

Function: 2 Outputs with Retrigger / Restart Control



T = t1 + t2 +...