Fişă tehnică produs

Specificatii

Releu de Temporizare 10 Functii, 1 S, 100 H, 24, 240 V, Iesire Statica

RE17LMBM

Principale

gama de produse	Harmony Timer Relays
tip de iesire discreta	Cu semiconductori
latime	17,5 mm
Tip produs sau componenta	Releu de sincronizare modular
nume componenta	RE17L
intervalul de intarziere	1...10 s 6...60 s 6...60 min 1...10 H 10...100 H 1...10 min 0.1...1 s
curent nominal de iesire	0,7 A

Suplimentare

inaltime	90 mm
adancime	72 mm
tip de control	Selector panou frontal
[Us] tensiune nominala de alimentare	24...240 V c.a. 50/60 Hz
interval de tensiune	0,85...1,1 Us
frecventa de alimentare	50...60 Hz +/- 5 %
release of input voltage	8 V
control signal pulse width	0.05 s tipic
rezistenta de izolatie	100 MΩ la 500 V c.c. conformitate cu SR EN 60664-1
[Uimp] tensiune de tinere la impuls	5 kV in timpul 1.2/50 µs
power on delay	100 ms
conexiuni - borne	Borne cu surub, 2 x 0.5 - 1 x 3.3 mm² (AWG 20 - AWG 12) solid fara terminale de cablu Borne cu surub, 3 x 0.5 - 2 x 2.5 mm² (AWG 20...AWG 14) solid fara terminale de cablu Borne cu surub, 1 x 0.2 - 1 x 2.5 mm² (AWG 24 - AWG 14) flexibil cu pini Borne cu surub, 2 x 0.2 - 2 x 1.5 mm² (AWG 24 - AWG 16) flexibil cu pini
cuplu de strangere	0,6…1 N.m conformitate cu IEC 60947-1
rigiditate dielectrica	2,5 kV 1 mA/1 minut 50 Hz conformitate cu IEC 61812-1
material carcasa	Policarbonat
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
Time delay type	Power on-delay - A- Power on-delay relay On-delay and off-delay - Ac- On-delay and off-delay relay w/ control signal Power on-delay - At- Power on-delay relay w/ pause/summation (Y1) Interval - B- Single interval relay w/ control signal Interval - Bw- Double interval relay w/ control signal Temporizare la revenire - C- Off-delay relay w/ control signal Symmetrical flashing - D- Symmetrical flashing relay (starting pulse-off) Symmetrical flashing - Di- Symmetrical flashing relay (starting pulse-on) Interval - H- Interval relay Interval - Ht- Interval relay w/ pause/summation (Y1)
resetare timp	350 ms la întreruperea alimentarii tipic
factor de sarcina	100 %
puterea consumata in VA	0…3 VA la 240 V c.a.
consum de putere maxim in W	1,5 W la 240 V c.c.
capacitate de rupere	0,5 A c.a. conformitate cu UL 0,7 A c.a. la 20 °C
operating frequency	10 Hz
curent maxim de iesire	20 A
curentul minim comutat	10 mA
curent maxim de scurgere	5 mA
tensiunea maxima de comutatie	250 V c.a.
cadere de tensiune maxima	<4 V 3 fire <8 V 2 fire
Durabilitate electrica	100000000 cic
marcaj	CE
distanta de conturnare	4 kV/3 conformitate cu SR EN 60664-1
fiabilitate securitate date	MTTFd = 353.8 ani B10d = 320000
pozitia de montaj	Orice poziţie în raport cu planul normal vertical de montare
suport de montare	Sina DIN 35 mm conformitate cu IEC 60715
functie disponibila	A- Power on-delay relay-1 solid state output Ac- On-delay and off-delay relay w/ control signal-1 solid state output At- Power on-delay relay w/ pause/summation (Y1)-1 solid state output B- Single interval relay w/ control signal-1 solid state output Bw- Double interval relay w/ control signal-1 solid state output C- Off-delay relay w/ control signal-1 solid state output D- Symmetrical flashing relay (starting pulse-off)-1 solid state output Di- Symmetrical flashing relay (starting pulse-on)-1 solid state output H- Interval relay-1 solid state output Ht- Interval relay w/ pause/summation (Y1)-1 solid state output
tip de control	Without test button
greutate produs	0,068 kg
time delay type	A, Ac, At, B, Bw, C, D, Di, H, Ht
functionalitate	Multifunctie
Number of functions	10
Cod compatibilitate	RE17

Mediu

imunitate la microintreruperi	20 ms

factor de scadere a valorii nominale	5 mA/°C
standarde	2004/108/EC IEC 61000-6-2 IEC 61812-1 IEC 61000-6-4 IEC 61000-6-1 2006/95/EC IEC 61000-6-3
certificari produs	GL cULus CSA
temperatura ambietala pentru depozitare	-30…60 °C
temperatura ambientala de functionare	-20…60 °C
grad de protectie IP	IP20 conformitate cu SR EN 60529 (cutie de borne) IP40 conformitate cu SR EN 60529 (carcasă) IP50 conformitate cu SR EN 60529 (panou frontal)
rezistenta la vibratii	20 m/s² (f= 10…150 Hz) conforming to 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 nivel de test: 6 kV (în contact) nivel 3 conformitate cu IEC 61000-4-2 Test de imunitate la descarcari electrostatice nivel de test: 9 kV (în aer) nivel 3 conformitate cu IEC 61000-4-2 Sensibilitate la câmpuri electromagnetice nivel de test: 10 V/m (80 MHz la 1 GHz) nivel 3 conformitate cu IEC 61000-4-3 Tranzienți rapizi/test de imunitate la impulsuri de ionizare nivel de test: 1 kV (brida de conectare capacitiva) nivel 3 conformitate cu IEC 61000-4-4 Tranzienți rapizi/test de imunitate la impulsuri de ionizare nivel de test: 2 kV (direct) nivel 3 conformitate cu IEC 61000-4-4 1.2/50 µs test de imunitate la undă de șoc nivel de test: 1 kV (mod diferential) nivel 3 conformitate cu IEC 61000-4-5 1.2/50 µs test de imunitate la undă de șoc nivel de test: 2 kV (mod comun) nivel 3 conformitate cu IEC 61000-4-5 Perturbații conduse de RF nivel de test: 10 V (0.15 - 80 MHz) nivel 3 conformitate cu IEC 61000-4-6 Test de imunitate la căderi de tensiune și întreruperi nivel de test: 1 % (1 ciclu) conformitate cu IEC 61000-4-11 Test de imunitate la căderi de tensiune și întreruperi nivel de test: 71 % (25/30 cicluri) conformitate cu IEC 61000-4-11 Emisii conduse și radiateclasa B conformitate cu EN 55022

Unitati de ambalare

Unitate de masura pentru prima forma de impachetare	PCE
Număr de produse în pachet	1
Inaltime prima forma de impachetare	2,8 cm
Latime prima forma de impachetare	7,8 cm
Lungime prima forma de impachetare	9,4 cm
Greutate colet(Lbs)	72,0 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	15,0 cm
Latime a doua forma de impachetare	30,0 cm
Lungime a doua forma de impachetare	40,0 cm
Greutate a doua forma de impachetare	3,222 kg

Garanţie contractuală

Garantie (in luni)	18

Environmental Data

Schneider Electric isi propune sa atinga nivelul Net Zero pana in 2050 prin parteneriate la nivelul lantului de aprovizionare, materiale cu impact mai redus si circularitate, prin campania „Use Better, Use Longer, Use Again” pentru a extinde durata de viata a produselor si reciclabilitatea.

Environmental Data explicate >

Cum evaluam sustenabilitatea produselor >

Amprenta de mediu

Amprenta de carbon totala pe durata de viata	**43 kg CO2 eq.**
Amprenta de carbon a fazei de fabricaţie [A1–A3]	**2 kg CO2 eq.**
Amprenta de carbon a fazei de distribuţie [A4]	**0.1 kg CO2 eq.**
Amprenta de carbon a fazei de instalare [A5]	**0 kg CO2 eq.**
Amprenta de carbon a fazei de utilizare [B2, B3, B4, B6]	**41 kg CO2 eq.**
Amprenta de carbon a fazei de sfârşit de viaţă [C1–C4]	**0.2 kg CO2 eq.**
Raport de mediu	**Profilul ambiental al produsului**

Use Better

Materiale si ambalare

Pachet cu carton reciclabil	**Da**
Ambalaj fara plastic	**Da**
Numar SCIP	**7bdc2711-0ad2-427c-8ece-532c5e9f09d7**
Directiva RoHS a UE	**Conform Prin Scutire**
Regulamentul REACh	**Referinţa conţine SVHC peste prag**

Use Longer

Prelungire durata de viata

Reparare	**Nu**

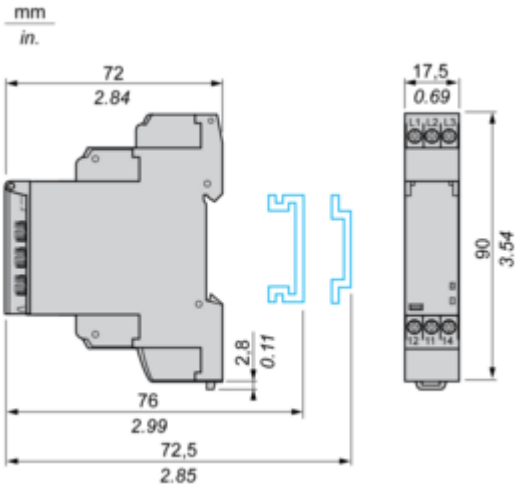
Use Again

Reambalare si refabricare

Potentialul de reciclabilitate, in %	**13**
Profil circularitate	**Informatii privind sfarsitul duratei de viata**
Preluare la sfarsitul duratei de viata	**Da**

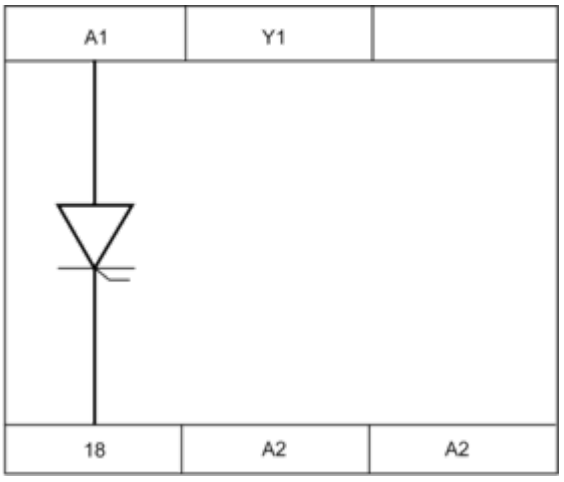
Dimensions Drawings

Width 17.5 mm

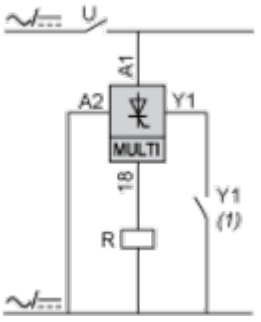


Connections and Schema

Internal Wiring Diagram



Wiring Diagram



(1) Contact Y1:

- Control for functions B, C, Ac, Bw.
- Partial stop for functions At, Ht.
- Function D if Di selected.
- Not used for functions A and H.

Technical Description

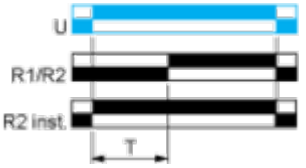
Function A : Power on Delay Relay

Description

The timing period T begins on energisation. After timing, the output(s) R close(s). The second output can be either timed or instantaneous.

Function: 1 Output

Function: 2 Outputs



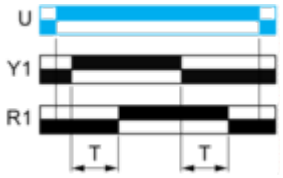
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function Ac: On-Delay & Off-Delay with Control Signal

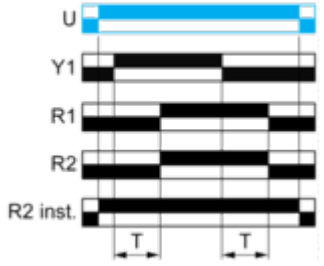
Description

After energisation of power supply and energization of Y1 causes the timing period T to start.
At the end of this timing period, the output(s) R close(s).
When deenergization of Y1, the timing T starts.
At the end of this timing period T,the output(s) R revert(s) to its/their initial position.
The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

Function: 1 Output



Function: 2 Outputs

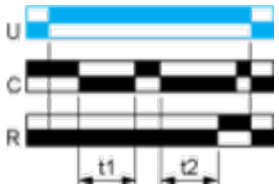


Function At : Power on Delay Relay (Summation) with Control Signal

Description

After power-up, the first opening of control contact C 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.

Function: 1 Output



T = t1 + t2 +...

Function B : Interval Relay with Control Signal

Description

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

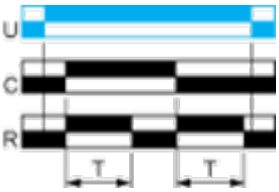
Function: 1 Output

Function Bw : Double Interval Relay with Control Signal

Description

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

Function: 1 Output

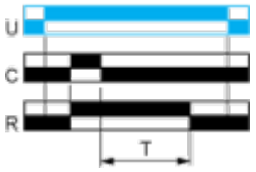


Function C : Off-Delay Relay with Control Signal

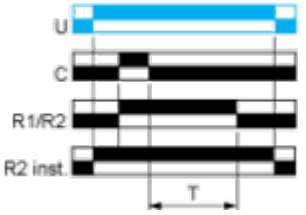
Description

After power-up and closing of the control contact C, the output R closes. When control contact C re-opens, timing T starts. At the end of the timing period, the output(s) R revert(s) to its/their initial state. The second output can be either timed or instantaneous.

Function: 1 Output



Function: 2 Outputs



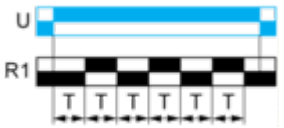
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function D: Symmetrical Flashing Relay (Starting Pulse Off)

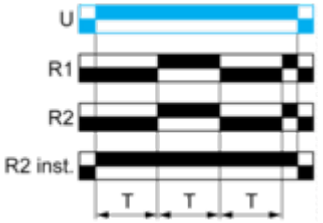
Description

On energisation of power supply, output(s) R starts at its/their initial state for timing duration T then change(s) to output(s) R close(s) for the same timing duration T.This cycle is repeated indefintely until power supply removal.Specially for RE17*, RE22R2AMU, RE22R2MMW, RE22R2MMU, RE22R2MJU,this D function can only be initiated by energizing Y1 permanently.The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

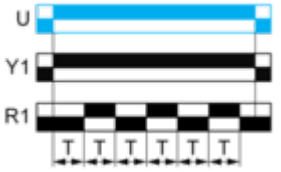
Function: 1 Output



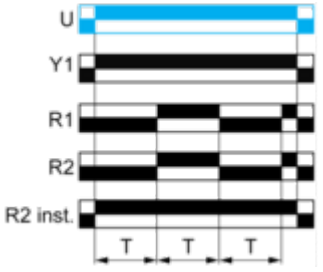
Function: 2 Outputs



Function: 1 Output with Retrigger / Restart Control



Function: 2 Output with Retrigger / Restart Control



Function Di : Symmetrical Flasher Relay (Starting Pulse On)

Description

Repetitive cycle with two timing periods T of equal duration, with output(s) R changing state at the end of each timing period T.
The second output can be either timed or instantaneous.

Function: 1 Output

Function: 2 Outputs

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

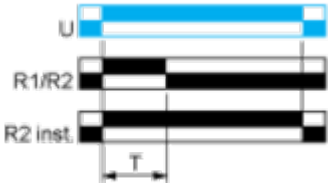
Function H : Interval Relay

Description

On energisation of the relay, timing period T starts and the output(s) R close(s). At the end of the timing period T, the output(s) R revert(s) to its/their initial state. The second output can be either timed or instantaneous.

Function: 1 Output

Function: 2 Outputs



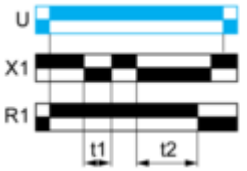
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function Ht: Interval Relay & With Pause / Summation Control

Description

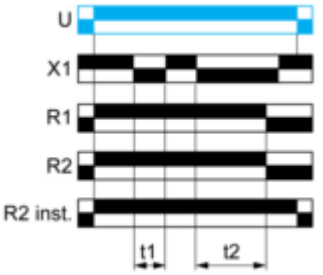
On energisation of power supply, output(s) R close(s) and timing period T starts.
The timing can be interrupted / paused each time X1 energizes.
When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state Reenergization of X1 will 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



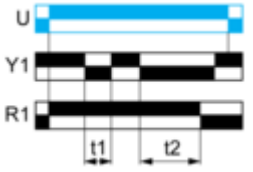
T = t1 + t2 +...

Function: 2 Outputs



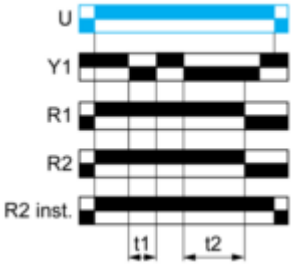
T = t1 + t2 +...

Function: 1 Output with Retrigger / Restart Control



T = t1 + t2 +...

Function: 2 Outputs with Retrigger / Restart Control



T = t1 + t2 +...

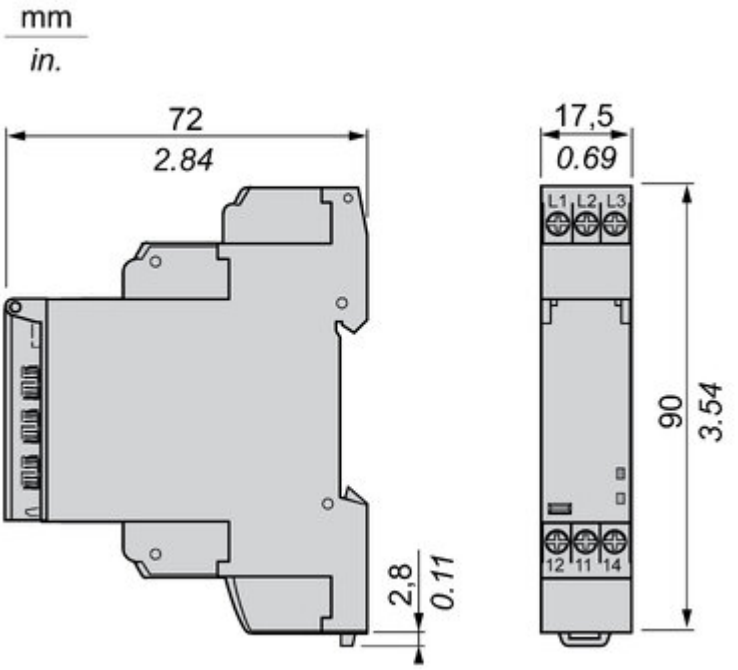
Legend

Relay de-energised
Relay energised
Output open
Output closed

C	Control contact
G	Gate
R	Relay or solid state output
R1/R2	2 timed outputs
R2 inst.	The second output is instantaneous if the right position is selected
T	Timing period
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
U	Supply

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

Offer Marketing Illustration

Product benefits / Features

Image of product / Alternate images

Alternative


A1 Y1
16 A2

Image of product in real life situation