Fişă tehnică produs

Specificatii

Releu Multifunctie, 24Vcc/24, 240 Vca, 2 I/D

RE22R2MMU

Principale

gama de produse	Harmony Timer Relays
tip de iesire discreta	Releu
Tip produs sau componenta	Releu de sincronizare modular
nume scurt al dispozitivului	RE23
curent nominal de iesire	8 A

Suplimentare

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	10...100 H 6...60 s 0.1...1 s 1...10 H 1...10 s 1...10 min 6...60 min
tip de control	Maner sferic rotativ panou frontal
[Us] tensiune nominala de alimentare	24...240 V c.a. 24 V 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	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)
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	50 VA la 240 V c.a.
puterea consumata in W	0,7 W la 24 V c.c.
capacitate de rupere	2000 VA
curentul minim de comutare	10 mA la 5 V
curent maxim comutat	8 mA
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	MTTFd = 182.6 ani B10d = 170000
pozitia de montaj	Orice poziţie 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
functie disponibila	A- Power on-delay relay-2 C/O Ac- On-delay and off-delay relay w/ control signal-2 C/O At- Power on-delay relay w/ pause/summation (Y1)-2 C/O B- Single interval relay w/ control signal-2 C/O Bw- Double interval relay w/ control signal-2 C/O C- Off-delay relay w/ control signal-2 C/O D- Symmetrical flashing relay (starting pulse-off)-2 C/O Di- Symmetrical flashing relay (starting pulse-on)-2 C/O H- Interval relay-2 C/O Ht- Interval relay w/ pause/summation (Y1)-2 C/O
latime	22,5 mm
greutate produs	0,09 kg
tip de control	With test button
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 61000-6-1 IEC 61000-6-2 IEC 61000-6-3 IEC 61000-6-4
directive	2004/108/EC - compatibilitate electromagnetică 2006/95/EC - directiva de joasă tensiune
certificari produs	cULus CSA UE CCC RCM GL EAC
temperatura ambientala de functionare	-20…60 °C
temperatura ambietala pentru depozitare	-30…60 °C
grad de protectie IP	IP40 carcasa: conformitate cu SR EN 60529 IP20 bloc terminal: conformitate cu SR EN 60529 IP40 parte frontala: conformitate cu SR EN 60529
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 testare:6 kV nivel 3 (descarcare pe contact) conforming to IEC 61000-4-2 Test de imunitate la descarcari electrostatice - nivel de testare:9 kV nivel 3 (descarcare în aer) conforming to IEC 61000-4-2 Test de imunitate la tranzienti rapizi - nivel de testare:1 kV nivel 3 (brida de conectare capacitiva) conforming to IEC 61000-4-4 Test de imunitate la tranzienti rapizi - nivel de testare:2 kV nivel 3 (contact direct) conforming to IEC 61000-4-4 Test de imunitate la supratensiuni - nivel de testare:1 kV nivel 3 (mod diferential) conforming to IEC 61000-4-5 Test de imunitate la supratensiuni - nivel de testare:2 kV nivel 3 (mod comun) conforming to IEC 61000-4-5 Test de imunitate la frecventa radio radiata - nivel de testare:10 V nivel 3 (0.15 - 80 MHz) conforming to IEC 61000-4-6 Test de imunitate la câmp electromagnetic - nivel de testare:10 V/m nivel 3 (80 MHz - 1 GHz) conforming to IEC 61000-4-3 Imunitate la microîntreruperi si caderi ale tensiunii - nivel de testare:30 % (500 ms) conforming to IEC 61000-4-11 Imunitate la microîntreruperi si caderi ale tensiunii - nivel de testare: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
Număr de produse în pachet	1
Inaltime prima forma de impachetare	2,500 cm
Latime prima forma de impachetare	8,200 cm
Lungime prima forma de impachetare	9,500 cm
Greutate colet(Lbs)	105,000 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	4,667 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	**53 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 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]	**52 kg CO2 eq.**
Amprenta de carbon a fazei de sfârşit de viaţă [C1–C4]	**0.1 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	**Referința conține SVHC peste prag**

Use Longer

Prelungire durata de viata

Reparare	**Nu**

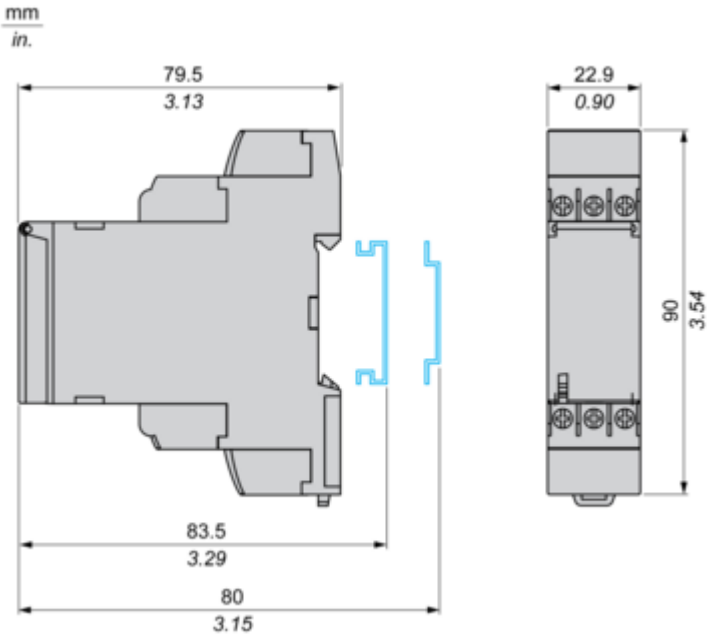
Use Again

Reambalare si refabricare

Profil circularitate	**Informatii privind sfarsitul duratei de viata**
Preluare la sfarsitul duratei de viata	**Da**

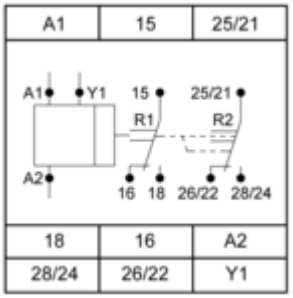
Dimensions Drawings

Dimensions

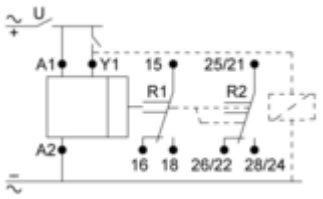


Connections and Schema

Internal Wiring Diagram



Wiring Diagram

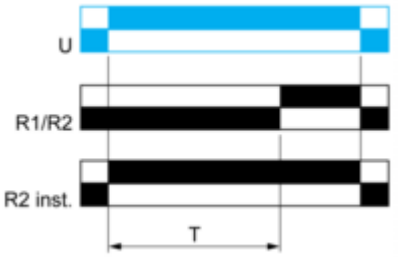


Technical Description

Function A : Power on Delay Relay

Description

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

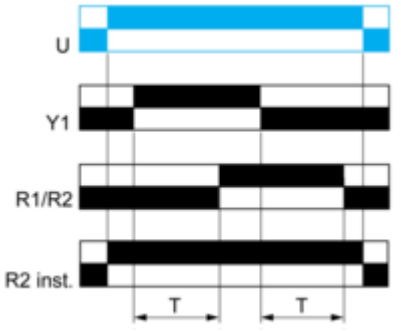


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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).

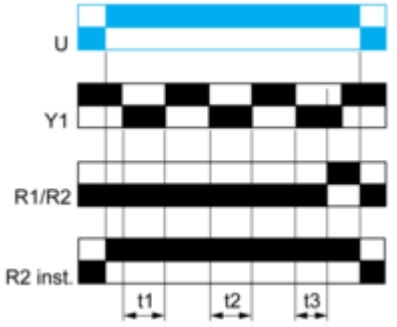


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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.

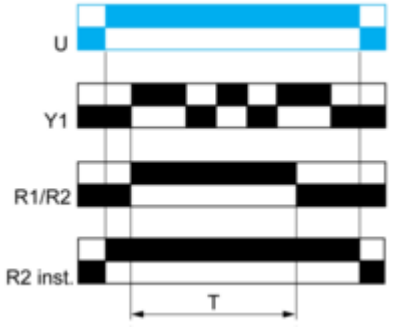


T = t1+t2+t3

Function B : Interval Relay with Control Signal

Description

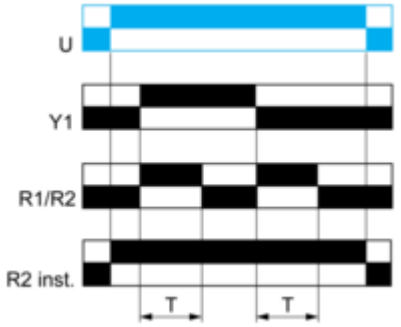
After power-up, pulsing or maintaining control contact Y1 starts the timing T. The output relay closes for the duration of the timing period T then reverts to its initial state.



Function Bw : Double Interval Relay with Control Signal

Description

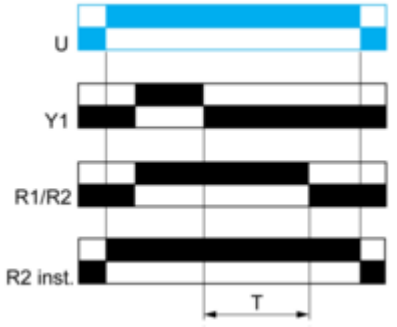
On closing and opening of control contact Y1, the output relay closes for the duration of the timing period T.



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.

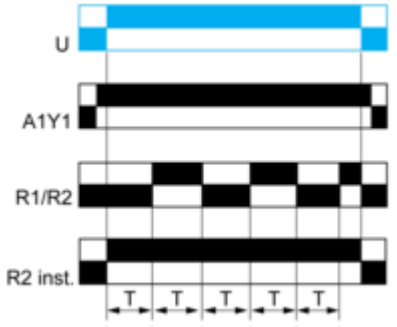


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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.

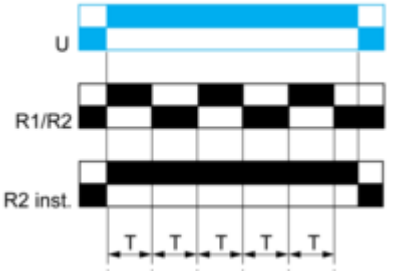


Before power-up Y1 should be permanently connected to A1.
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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.

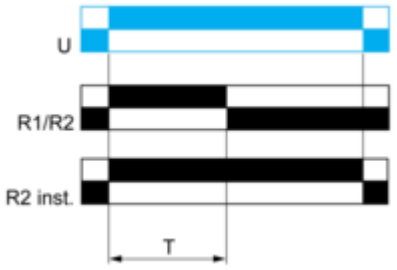


2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

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

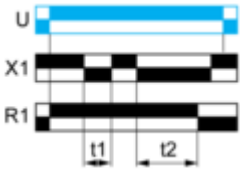
Y1 :	Control contact
R1/R2 :	2 timed outputs
R2 inst. :	The second output is instantaneous if the right position is selected
T :	Timing period
U :	Supply

Function Ht: Interval Relay & With Pause / Summation Control

Description

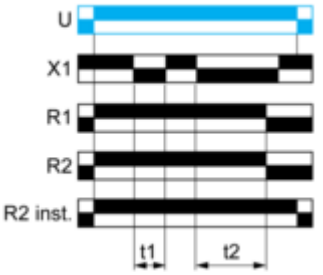
On energisation of power supply, output(s) R close(s) and timing period T starts.
The timing can be interrupted / paused each time X1 energizes.
When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state Reenergization of X1 will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



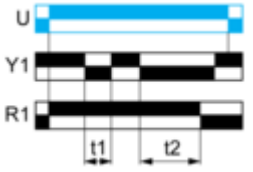
T = t1 + t2 +...

Function: 2 Outputs



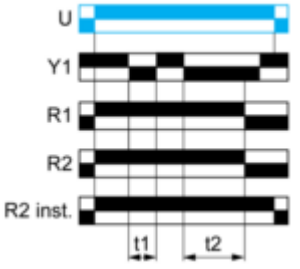
T = t1 + t2 +...

Function: 1 Output with Retrigger / Restart Control



T = t1 + t2 +...

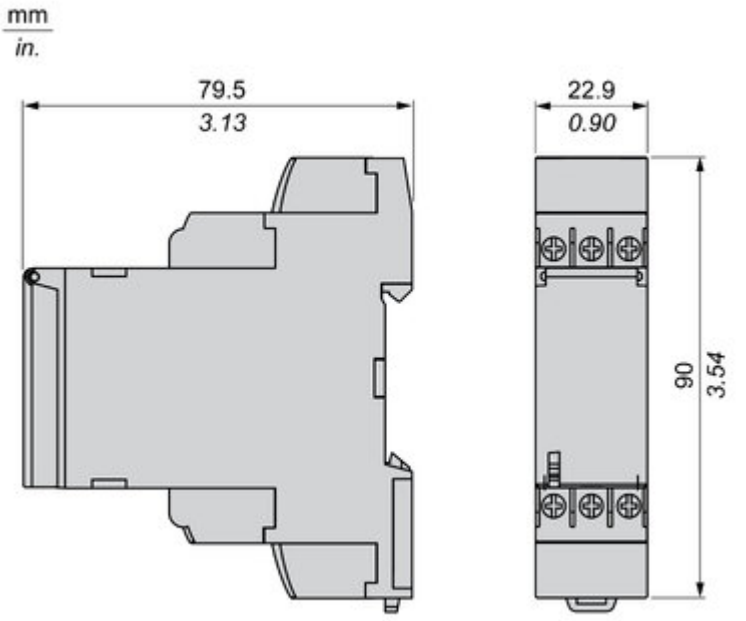
Function: 2 Outputs with Retrigger / Restart Control



T = t1 + t2 +...

Technical Illustration

Dimensions



Offer Marketing Illustration

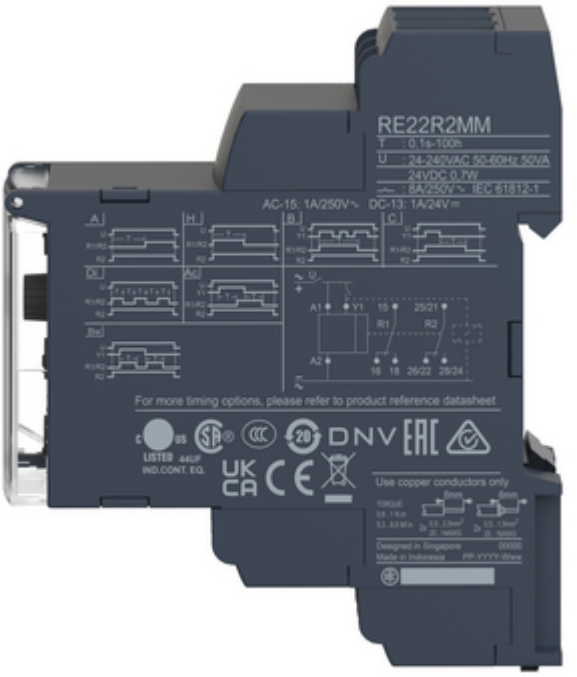
Product benefits / Features

Offer Marketing Illustration

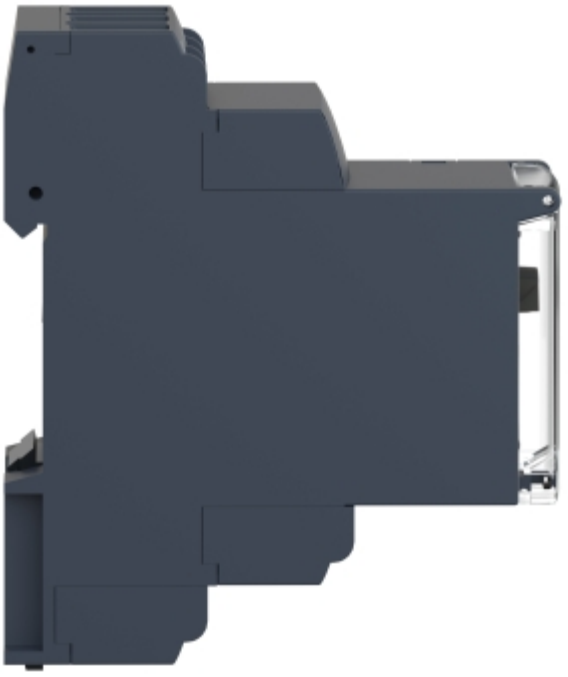
Product benefits / Features

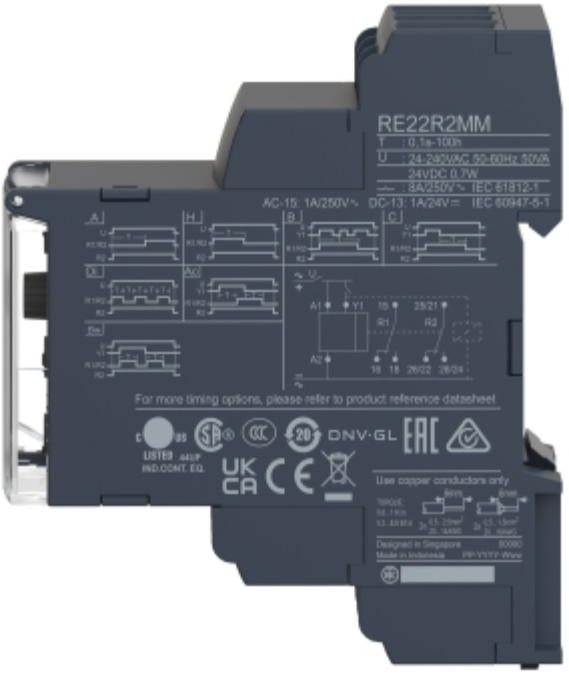
Image of product / Alternate images

Alternative

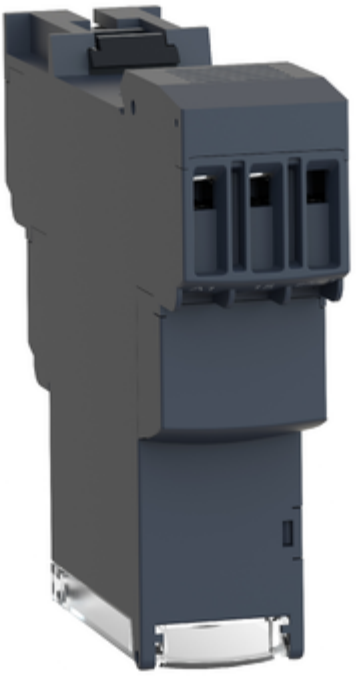


Fişă tehnică produs RE22R2MMU





Fişă tehnică produs RE22R2MMU



Fişă tehnică produs RE22R2MMU