

# Produktdatablad

Specifikationer



## Harmony tidsrelæ 22,5 mm forsinket frafald med kontrol indgang (0,1 Sek-300 Timer) med 1 C/O relæudgang på 8A og 24-240VAC/ DC

El-nr.:  
7523006746

RE22R1CMR

EAN-nr: 3606480792397

## Egenskaber

Produktserie	Harmony Timer Relays
digital udgangstype	Relæ
Produkttype	Modular timing relay
Enhedsforkortelse	RE22
Nominal udgangsstrøm	8 A

## Produktinformationer

kontakttype og sammensætning	1 C/O timed contact, cadmium free
Tidsforsinkelsestype	Off-tidsforsinket
Tidsforsinkelse	10...100 s 3...30 s 0.05...1 s 30...300 s 30...300 h 30...300 min 3...30 min 3...30 h 0.3...3 s 1...10 s
betjening	Drejegreb Diagnostic button Potentiometer external
[Us] forsyningspænding	24...240 V AC/DC 50/60 Hz
Release input voltage	<= 2.4 V
Spændingsområde	0.85...1.1 Us
tilslutningsfrekvens	50...60 Hz +/- 5 %
tilslutningsklemmer	Skrueterminaler, 1 x 0.5...1 x 3.3 mm <sup>2</sup> (AWG 20...AWG 12) stiv Uden kabeltylle Skrueterminaler, 2 x 0.5...2 x 2.5 mm <sup>2</sup> (AWG 20...AWG 14) stiv Uden kabeltylle Skrueterminaler, 1 x 0.2...1 x 2.5 mm <sup>2</sup> (AWG 24...AWG 14) Fleksibel Med kabeltylle Skrueterminaler, 2 x 0.2...2 x 1.5 mm <sup>2</sup> (AWG 24...AWG 16) Fleksibel Med kabeltylle
Tilspændingsmoment	0,6...1 N.m i henhold til IEC 60947-1
Kapslingsmateriale	Self-extinguishing
gentagelsesnøjagtighed	+/- 0.5 % i henhold til IEC 61812-1
Temperaturdrift	+/- 0.05 %/°C
Spændingsdrift	+/- 0.2 %/V
indstillingsnøjagtighed for tidsforsinkelse	+/- 10 % af fuld skala ved "25 °C" i henhold til IEC 61812-1

<b>Time delay type</b>	Off-tidsforsinket - C- Off-delay relay w/ control signal Off-tidsforsinket - Ct- Off-delay relay w/ control signal and pause/summation
<b>Control signal pulse width</b>	100 milisekund med load in parallel 30 milisekund
<b>isolationsmodstand</b>	100 MOhm ved 500 V DC i henhold til IEC 60664-1
<b>Recovery time</b>	120 milisekund På afbrydelse af forsyning
<b>imunitet over for microafbrydelser</b>	10 milisekund
<b>effektforbrug i VA</b>	3 VA ved 240 V AC
<b>effektforbrug i W</b>	1,5 W ved 240 V DC
<b>Koblingevne i VA</b>	2000 VA
<b>Mindste sluttestrøm</b>	10 mA ved 5 V DC
<b>Maksimal sluttestrøm</b>	8 A
<b>masimal spænding</b>	250 V AC
<b>elektrisk holdbarhed</b>	100000 kredsløb, 8 A ved 250 V, AC-1 100000 kredsløb, 2 A ved 24 V, "DC-1"
<b>Mekanisk holdbarhed</b>	10000000 kredsløb
<b>Rated impulse withstand voltage</b>	5 kV til 1,2...50 mikrosekund i henhold til IEC 60664-1
<b>Power on delay</b>	100 milisekund
<b>creepage distance</b>	"4 kV/3" i henhold til IEC 60664-1
<b>Overspændingskategori</b>	III conforming to IEC 60664-1
<b>sikkerhedsdata</b>	MTTFd = 205.4 år B10d = 190000
<b>mounting position</b>	Any position
<b>Montagevejledning</b>	35 mm DIN skinne i henhold til "IEC 60715"
<b>status LED</b>	Grøn LED backlight (fast) til dial pointer indication Gul LED (fast) til output relay energised Gul LED (fast flashing) til timing in progress and output relay de-energised Gul LED (slow flashing) til timing in progress and output relay energised
<b>funktion tilgængelig</b>	C- Off-delay relay w/ control signal-1 C/O Ct- Off-delay relay w/ control signal and pause/summation-1 C/O
<b>bredde</b>	22,5 mm
<b>Vægt</b>	0,1 kg
<b>Type af betjening</b>	With test button
<b>Number of functions</b>	2

## Miljø

<b>dielektrisk gennemslagsholdbarhed</b>	2,5 kV til 1 mA/1 minut ved 50 Hz mellem relay output and power supply med basic insulation i henhold til IEC 61812-1
<b>Standarder</b>	UL 508 IEC 61812-1
<b>Direktiver</b>	2004/108/EC - elektromagnetisk kompatibilitet 2006/95/EC - lavspændingsdirektiv
<b>Produktcertificeringer</b>	UL CE CCC CSA GL RCM EAC

<b>Omgivelsestemperatur under drift</b>	-20...60 °C
<b>Omgivelsestemperatur ved opbevaring</b>	-40...70 °C
<b>IP kapslingsklasse</b>	IP40 hus: conforming to IEC 60529 IP50 Fronten: conforming to IEC 60529 IP20 terminaler: conforming to IEC 60529
<b>Forureningsgrad</b>	3 i henhold til IEC 60664-1
<b>Vibrationsmodstand</b>	"20 m/s <sup>2</sup> " (f= 10...150 Hz) conforming to IEC 60068-2-6
<b>chokmodstand</b>	15 gn ikke aktiv til 11 milisekund i henhold til IEC 60068-2-27 5 gn aktiv til 11 milisekund i henhold til IEC 60068-2-27
<b>Relativ fugtighed</b>	95 % ved 25...55 °C
<b>Elektromagnetisk kompatibilitet</b>	Fast transients immunity test - test level: 1 kV Level 3 (capacitive connecting clip) conforming to IEC 61000-4-4 Surge immunity test - test level: 1 kV Level 3 (Differential tilstand) conforming to IEC 61000-4-5 Surge immunity test - test level: 2 kV Level 3 (Almindelig tilstand) conforming to IEC 61000-4-5 Elektrostatisk afladning - test level: 6 kV Level 3 (kontaktafladning) conforming to IEC 61000-4-2 Elektrostatisk afladning - test level: 8 kV Level 3 (luftafladning) conforming to IEC 61000-4-2 Radiated radio-frekvens electromagnetic field immunity test - test level: 10 V/m Level 3 (80 MHz...1 GHz) conforming to IEC 61000-4-3 Udledt RF forstyrrelser - test level: 10 V Level 3 (0.15...80 MHz) conforming to IEC 61000-4-6 Fast transient bursts - test level: 2 kV Level 3 (direct contact) conforming to IEC 61000-4-4 Immunitet overfor små udfald og spændingsfald - test level: 30 % (500 ms) conforming to IEC 61000-4-11 Immunitet overfor små udfald og spændingsfald - test level: 100 % (20 ms) conforming to IEC 61000-4-11

## Forpakkingsinformation

<b>Enhedstype af pakke 1</b>	PCE
<b>Antal enheder i pakke 1</b>	1
<b>Pakke 1 Højde</b>	2,6 cm
<b>Pakke 1 Længde</b>	8,2 cm
<b>Package 1 Length</b>	9,5 cm
<b>Pakke 1 Vægt</b>	99,0 g
<b>Enhedstype af pakke 2</b>	S02
<b>Antal enheder i pakke 2</b>	40
<b>Pakke 2 Højde</b>	15,0 cm
<b>Pakke 2 Bredde</b>	30,0 cm
<b>Pakke 2 Længde</b>	40,0 cm
<b>Pakke 2 Vægt</b>	4,532 kg
<b>Enhedstype af pakke 3</b>	P06
<b>Antal enheder i pakke 3</b>	640
<b>Pakke 3 Højde</b>	60,0 cm
<b>Pakke 3 Bredde</b>	80,0 cm
<b>Pakke 3 Længde</b>	60,0 cm
<b>Pakke 3 Vægt</b>	79,78 kg

## Logistik informationer



## Environmental Data

Schneider Electric's mål er at opnå Net Zero-status i 2050 gennem partnerskaber med forsyningskæden, materialer med lavere påvirkning og cirkularitet via vores igangværende kampagne "Use Better, Use Longer, Use Again" for at forlænge produkternes levetid og genbrugelighed.

[Forklaring af Environmental Data >](#)

[Sådan vurderer vi produktets bæredygtighed >](#)

### Miljøaftryk

CO2-belastning (kg CO2 eq.)

64

### Use Better

#### Materialer og emballage

Pakke med genbrugspap

Yes

Emballage uden plast

Yes

[EU RoHS-direktivet](#)

Proaktiv overensstemmelse (produkt ikke omfattet af EU RoHS)

SCIP-nummer

948566f8-a5c9-4da0-afbe-9524116a5ab8

Reach-forordning

[REACH-erklæring](#)

### Use Again

#### Ompakning og genfremstilling

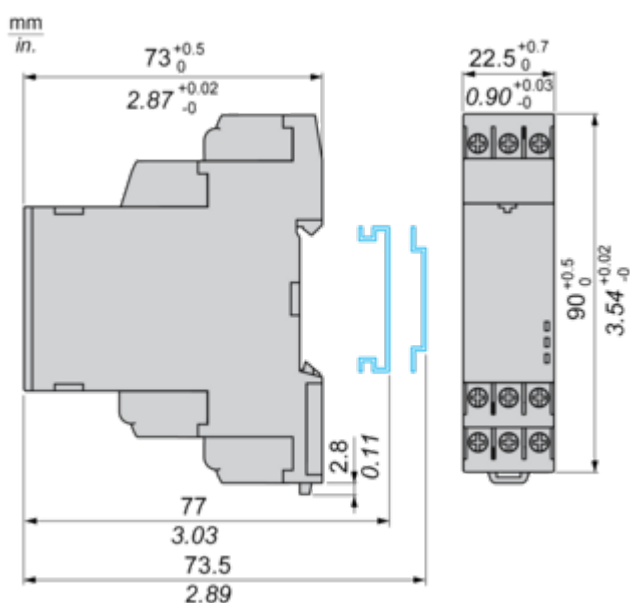
Returnering

No

Dimensions Drawings

Dimensions

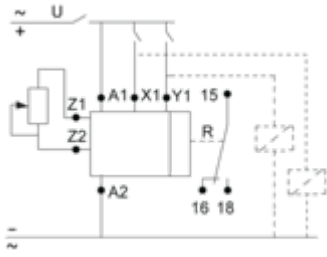
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## Connections and Schema

### Wiring Diagram

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Technical Description

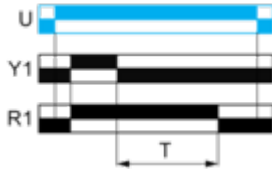
**Function C: Off-Delay Relay with Control Signal**

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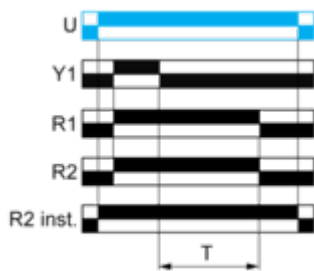
**Description**

After energisation of power supply and energization of Y1 causes output(s) R close(s). When Y1 deenergizes, 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**

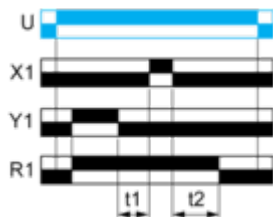


**Function Ct: Off-Delay Relay with Control Signal & With Pause / Summation Control**

**Description**

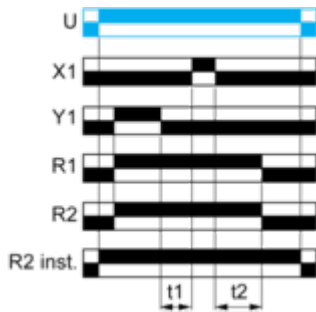
After energisation of power supply and energization of Y1 cause output(s) R close(s). When Y1 deenergizes, timing starts and the timing can be interrupted / paused each time X1 energizes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output(s) R revert(s) to its/their initial state. The second output (R2) can be either timed (when set to "TIMED") or instantaneous (when set to "INST").

**Function: 1 Output**



$T = t1 + t2 + \dots$

**Function: 2 Outputs**



$T = t1 + t2 + \dots$

**Legend**

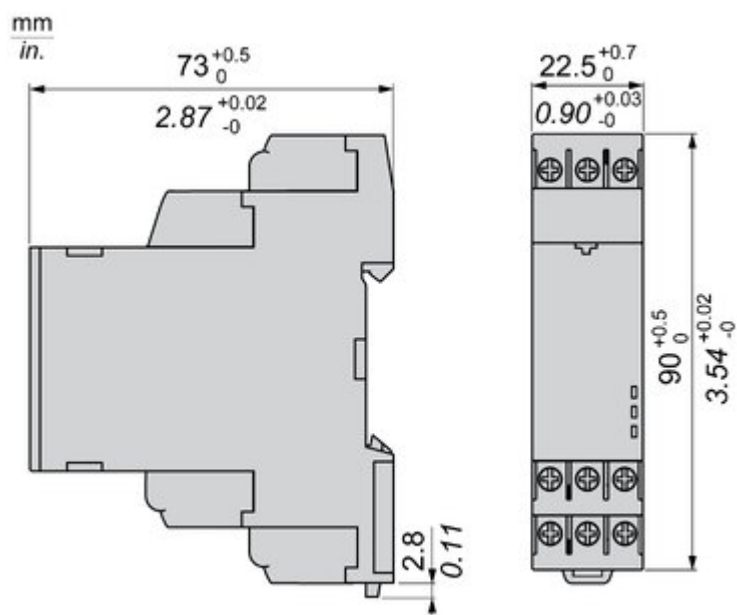
- Relay de-energised
- Relay energised
- Output open
- Output closed

U -	Supply
T -	Timing period
R1/R2 -	2 timed outputs
R2 inst. -	The second output is instantaneous if the right position is selected
X1 -	Pause / Summation control
Y1 -	Retrigger / Restart control

Technical Illustration

Dimensions

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Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

### Harmony Timer Relay

choice of screw  
ing connection  
als for wiring.

duct reference  
ing 28 timing  
ns, 2 outputs.  
wide range of  
ply voltage  
10 V AC/DC.

id unintended  
intervention  
ed thanks  
: IP50 lead-  
ble settings  
ction cover.



A Dial-Pointe  
indicator that er  
ease of operation  
environments such  
or low-light con

Different mo  
style to mee  
preferen  
DIN rail mou  
product w  
17.5 mm/U,  
22.5 mm/U  
Plug in max  
with soc

Offer Marketing Illustration

Product benefits / Features

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### 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

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