

Fișă tehnică produs

Specificatii



Releu de monitorizare a tensiunii
Harmony trifazat, interval 208 pana
la 480 V c.a., secventa a fazelor,
defectiune de faza, 1 CO

RM10TG00N

Principale

gama de produse	Harmony Control Relays
tip releu	Releu de control
Tip produs sau componenta	3-phase control relay
nume releu	RM10TG
parametri monitorizati ai releului	Ordinea fazelor Detectare cadere de faza
interval de masura	208...480 V c.a.
tip decalare	Fără
contacte de iesire	1 C/O
curent nominal de iesire	5 A
aplicatie specifica produsului	Pentru alimentare trifazica

Suplimentare

limitele tensiunii de alimentare	183...528 V c.a., 3 faze
[Ie] curent nominal de utilizare	5 A 250 V AC-1 conformitate cu SR EN 60947-5-1 5 A 28 V DC-1 conformitate cu SR EN 60947-5-1 1,5 A 240 V AC-15 conformitate cu SR EN 60947-5-1 2 A 24 V DC-13 conformitate cu SR EN 60947-5-1
resetare timp	1,5 s temporizare
puterea consumata in VA	0...4,5 VA
prag de detectare a tensiunii	< 138 V c.a.
delay at power up	1,5 s
interval de tensiune	208...480 V
timp de raspuns	< 200 ms (in eventualitatea unui defect)
rezistenta de izolatie	> 100 MOhm la 500 V c.c.
[Ui] tensiune nominala de izolatie	400 V
frecventa de alimentare	47...63 Hz
conexiuni - borne	Borne cu surub, 2 x 0.5...2 x 1.5 mm² (AWG 20...AWG 16) solid cu sau fără pini terminali
cuplu de strangere	0,5...0,7 N.m
material carcasa	Policarbonat
semnalizare locala	LED (verde) for ST (status)
suport de montare	Sina DIN simetrica, 35 mm conformitate cu IEC 60715
Durabilitate electrica	100000 cic

Declinare de responsabilitate: Această documentație nu se substituie și nu trebuie utilizată pentru stabilirea adecvării sau fiabilității acestor produse pentru aplicații utilizator

durabilitate mecanica	10000000 cic
fiabilitate securitate date	MTTFd = 158 years
inaltime	58,5 mm
latime	18 mm
adancime	90 mm
greutate neta	75 g

Mediu

compatibilitate electromagnetica	conforming to IEC 61000-6-4 conforming to IEC 61000-6-3 conforming to IEC 61000-6-2
standarde	IEC 60255-1
certificari produs	cULus UE UKCA CCC
marcaj	CULus CE UKCA CCC
directive	89/336/EEC - electromagnetic compatibility 73/23/EEC - directiva joasa tensiune
temperatura ambietala pentru depozitare	-20...80 °C
temperatura ambientala de utilizare	-15...60 °C
umiditate relativa	10...95 %
rezistenta la socuri	30 gn pentru 6 ms
grad de protectie IP	IP20 (borne) IP40 (carcasă)
grad de poluare	2
categorie de supratensiune	II
tensiune de incercare	1,89 kV c.a. 50 Hz, 1 min.
unda de soc nedisipativa	4 kV

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	7,000 cm
Lungime prima forma de impachetare	11,000 cm
Greutate colet(Lbs)	85,000 g
Unitate de masura pentru a doua forma de impachetare	S02
Numar unitati in a doua forma de impachetare	48
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	4,670 kg

Garanție contractuală

Garantie (in luni)	18
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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.

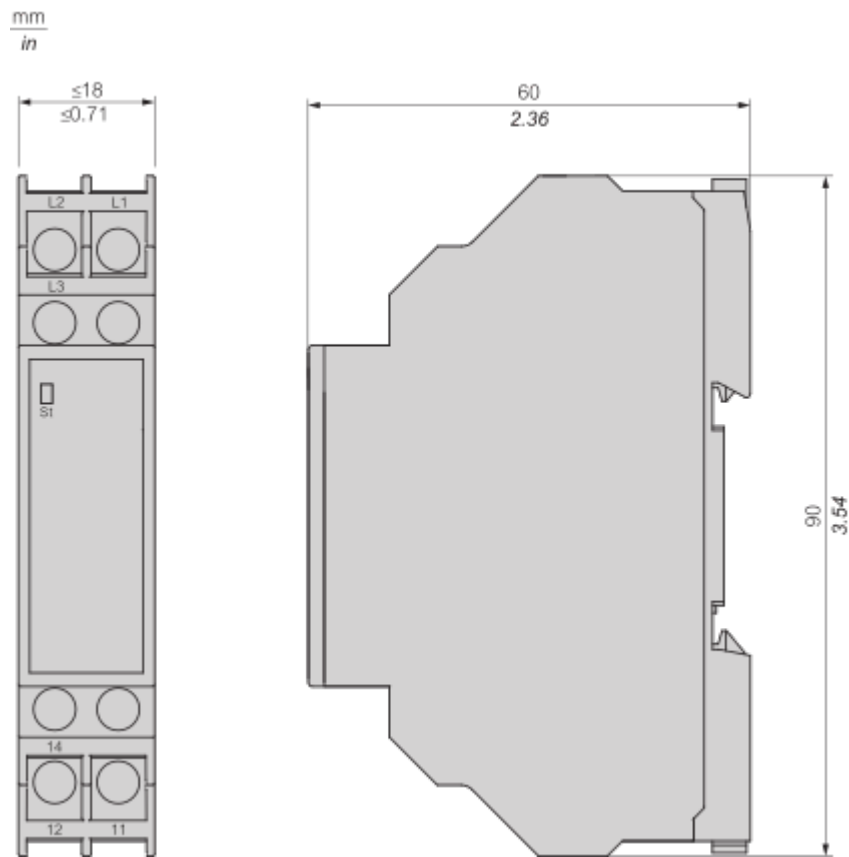
Environmental Data explicate >

Cum evaluam sustenabilitatea produselor >

Amprenta de mediu	
Amprenta de carbon totala pe durata de viata	81
Use Better	
Materiale si ambalare	
Directiva RoHS UE	Conform cu anumite exceptii
Regulamentul REACH	Declaratia REACH
Use Again	
Reambalare si refabricare	
Preluare la sfarsitul duratei de viata	Da
Eticheta WEEE	În Uniunea Europeana, produsele trebuie reciclate respectand sistemul specific de colectare a deseurilor si nu trebuie sa ajunga in pubelele de colectare a deseurilor menajere.

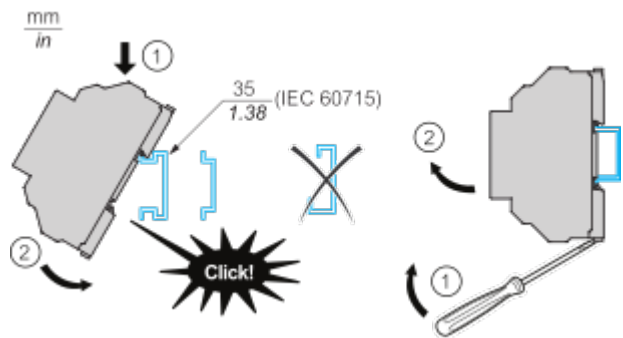
Dimensions Drawings

Dimension



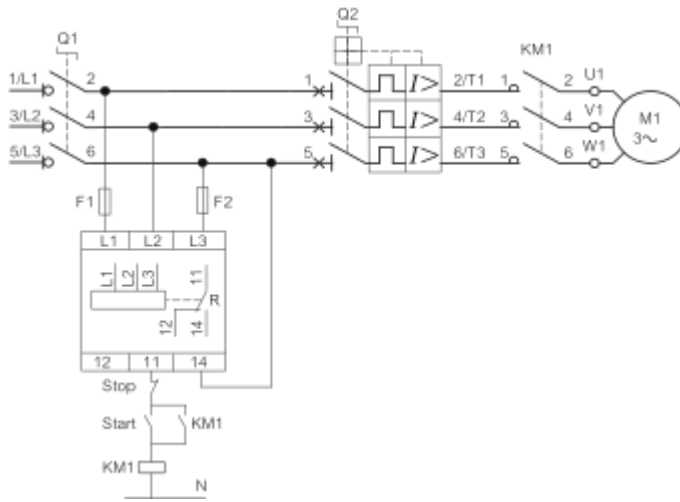
Mounting and Clearance

Mounting



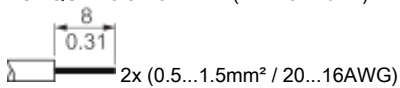
Connections and Schema

Wiring



NOTE:

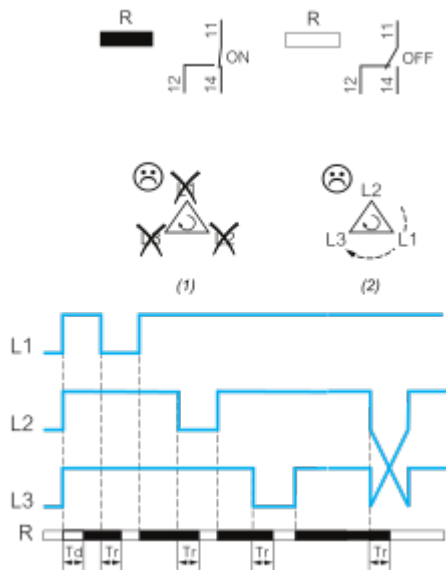
- Use copper conductors only
- TORQUE : 0.5...0.7 N.m (4.4...6.2 lbf.in)



Technical Description

Function Diagram

Phase Loss & Phase Sequence

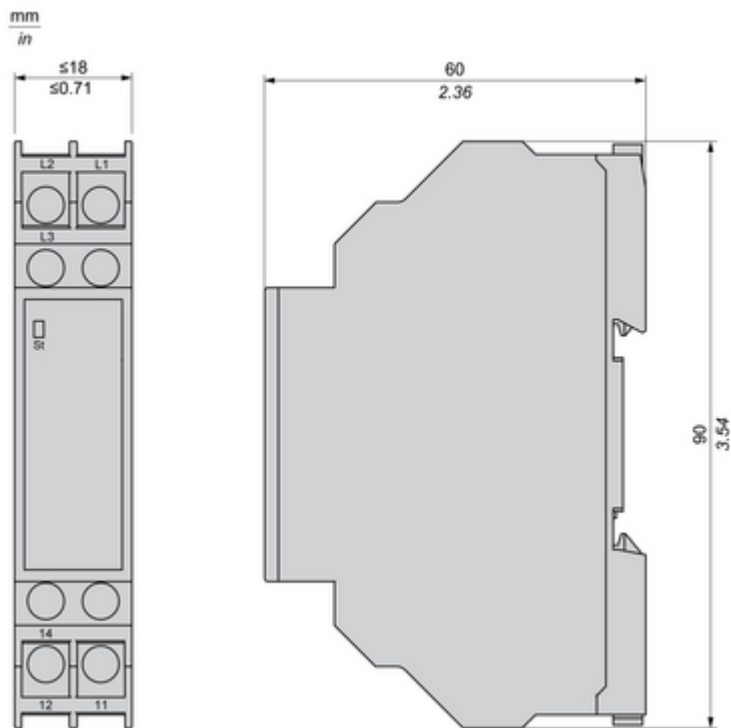


Td : Delay at power up
Tr : Response time
R : Relay
(1) : Phase Loss
(2) : Phase Sequence Fault

LED	Status		
	Normal	Phase Seq. Fault	Phase Loss
St	ON	BLINKING	OFF
R			

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony Control Relay

Compliant with IEC 60255-1 standard, and a wide array of product certifications such as UL, CE, CSA, EAC.

Dust and unintended human intervention avoided thanks to the IP50 lead-sealable settings protection cover.

Different product width to meet your needs:
17.5 mm/0.69 in.,
22.5 mm/0.88 in.,
35 mm/1.38 in.

Diagnostic button to check downstream circuit immediately, shorten the commission and troubleshooting time

A Dial-Pointer LED indicator that enhances ease of operation in difficult enviroments such as dusty or low-light conditions



Offer Marketing Illustration

Product benefits / Features

Features

Harmony Control Relay



Wide monitoring parameters (phase, current, voltage, liquid level, frequency, speed, temperature, and pump control) to meet your application needs.



Experience unprecedented accuracy, predictive maintenance, and superior security.



Compatible with a wide range of applications, such as hoisting, packaging, lifts, textile, pumping, and water.



True RMS measurement that minimizes the possibility of unexpected trips from highly polluted networks (except RM17TG and RM22TG)



Green Premium labelled products, promising compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ product



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Image of product / Alternate images

Alternative





