Fişă tehnică produs

Specificatii

Releu De Control Al Pompei Rm35-Ba - Interval 1 - 10 A

RM35BA10

Principale

gama de produse	Harmony Control Relays
tip releu	Relee de control pentru pompa
Tip produs sau componenta	Pump control relay
aplicatie specifica produsului	Pentru pompa trifazica si monofazica
nume releu	RM35BA
parametri monitorizati ai releului	Control supracurent si subcurent Ordinea fazelor la alimentare trifazica Cadere de faza la alimentare trifazica
tip decalare	Adjustable 1...60 s, +/- 10 % Ti- inhibition time delay upon startup Adjustable 0.1...10 s, +/- 10 % Tt- time delay upon fault
capacitatea de comutare in VA	1250 VA
curentul minim de comutare	10 mA la 5 V c.c.
curent maxim de comutatie	5 A c.a./c.c.
consum de putere maxim in VA	5 VA c.a.
interval de masura	1...10 A 208...480 V c.a.
categorie de utilizare	AC-12 conformitate cu SR EN 60947-5-1 AC-13 conformitate cu SR EN 60947-5-1 AC-14 conformitate cu SR EN 60947-5-1 AC-15 conformitate cu SR EN 60947-5-1 DC-12 conformitate cu SR EN 60947-5-1 DC-13 conformitate cu SR EN 60947-5-1

Suplimentare

resetare timp	2000 ms
tensiunea maxima de comutatie	250 V c.a./c.c.
[Un] rated nominal voltage	208...480 V c.a. 50/60 Hz non self-powered 230 V c.a. 50/60 Hz non self-powered
limitele tensiunii de alimentare	183…528 V c.a.
operating voltage tolerance	- 15 % + 10 % Un
rezistenta la borne	0,01 Ohm la E1-L2 terminals
latime	35 mm
contacte de iesire	1 C/O
curent nominal de iesire	5 A
cilclul maxim de masura	140 ms as true rms value
delay at power up	0,5 s

histerezis	5 % din prag
precizie de masurare	+/- 10 % din valoarea la capatul scarii
precizie de repetare	+/- 1 % pentru circuit de intrare și măsură +/- 1 % pentru temporizare
eroare de masurare	1 % dupa tensiunea peintregul interval +/- 0,05 %/°C
timp de raspuns	< 300 ms (în eventualitatea unui defect)
overload input current	11 A permanent la 25 °C E1-L2 terminals 50 A non repetitive < 1 s at 25 °C E1-L2 terminals
marcaj	CE : EMC 89/336/EEC CE : 73/23/EEC
categorie de supratensiune	III conforming to SR EN 60664-1
rezistenta de izolatie	> 500 MΩ la 500 V c.c. between supply and relay output conformitate cu 60255-5 > 500 MΩ la 500 V c.c. between measurement and relay output conformitate cu 60664-1 > 1 MOhm la 500 V c.c. between supply and measurement conformitate cu 60255-5 > 500 MΩ la 500 V c.c. between supply and relay output conformitate cu 60664-1 > 500 MΩ la 500 V c.c. between measurement and relay output conformitate cu 60255-5 > 1 MOhm la 500 V c.c. between supply and measurement conformitate cu 60664-1
[Ui] tensiune nominala de izolatie	400 V conformitate cu SR EN 60664-1
frecventa de alimentare	50/60 Hz +/- 10 %
pozitie de operare	Orice pozitie
conexiuni - borne	Borne cu surub, 1 x 0.5...1 x 4 mm² (AWG 20...AWG 11) 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 12) 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
material carcasa	Plastic cu autostingere
stare LED	1 LED verde pentru alimentat 1 LED galben pentru defect 1 LED galben pentru releu ON
suport de montare	Sina DIN simetrica, 35 mm conformitate cu IEC 60715
Durabilitate electrica	100000 cic
durabilitate mecanica	30000000 cic
rata de operare	<= 360 acționări/oră sarcină nominală
tip de control	Without test button

Mediu

imunitate la microintreruperi	500 ms
compatibilitate electromagnetica	Emisii standard pentru mediul industrial conformitate cu IEC 61000-6-4 Emisii standard pentru mediul rezidențial, comercial și ușor industrial conformitate cu IEC 61000-6-3 Imunitate pentru medii industriale conformitate cu NF EN/IEC 61000-6-2
standarde	IEC 60255-6
certificari produs	C-Tick CSA GOST UL GL
temperatura ambietala pentru depozitare	-40…70 °C

temperatura ambientala de functionare	-20…50 °C
umiditate relativa	95 % la 55 °C conformitate cu IEC 60068-2-30
rezistenta la vibratii	0.35 mm (f= 5…57,6 Hz) conforming to IEC 60068-2-6/IEC 60255-21-1 1 gn (f= 57,6…150 Hz) conforming to IEC 60068-2-6/IEC 60255-21-1
rezistenta la socuri	15 gn pentru 11 ms conformitate cu IEC 60255-21-1
grad de protectie IP	IP20 conformitate cu SR EN 60529 (borne) IP30 conformitate cu SR EN 60529 (carcasă)
grad de poluare	3 conformitate cu SR EN 60664-1
rigiditate dielectrica	2 kV c.a. 50 Hz (shock wave 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	8,0 cm
Latime prima forma de impachetare	4,6 cm
Lungime prima forma de impachetare	9,7 cm
Greutate colet(Lbs)	123,0 g
Unitate de masura pentru a doua forma de impachetare	S03
Numar unitati in a doua forma de impachetare	48
Inaltime a doua forma de impachetare	30,0 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	6,526 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	**102**
Raport de mediu	**Profilul ambiental al produsului**

Use Better

Materiale si ambalare

Pachet cu carton reciclabil	**Da**
Ambalaj fara plastic	**Da**
Directiva RoHS UE	**Conformitate proactivă (Produs în afara domeniului de aplicare a EU RoHS)**
Numar SCIP	**5e3fdf99-611b-4d07-ad17-6eba84ab488b**
Regulamentul REACH	**Declaratia REACH**

Use Again

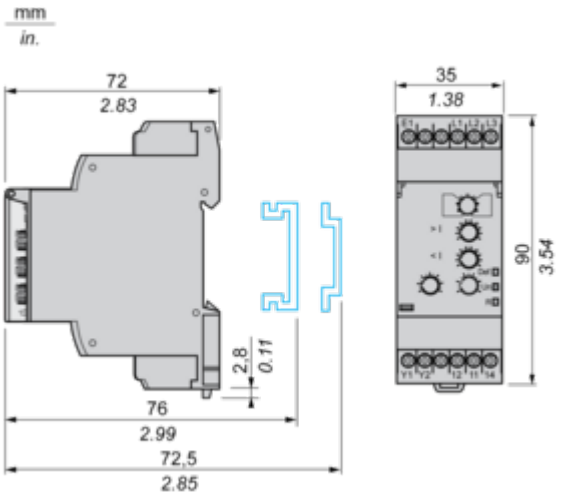
Reambalare si refabricare

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

Dimensions Drawings

3-Phase and Single-Phase Pump Control Relays

Dimensions and Mounting

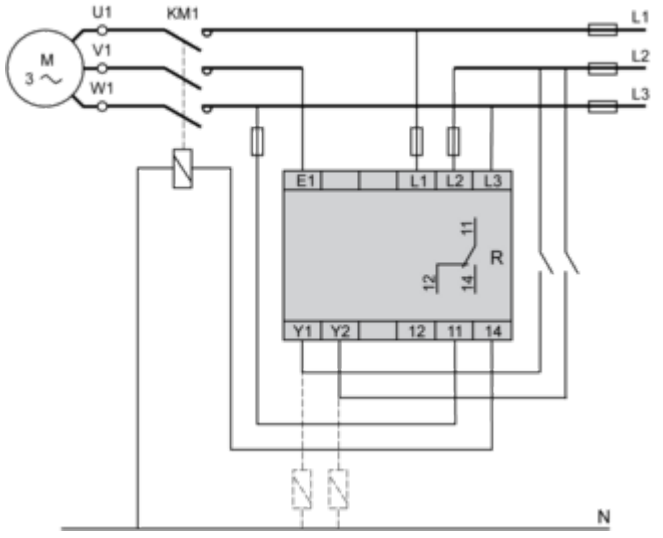


Connections and Schema

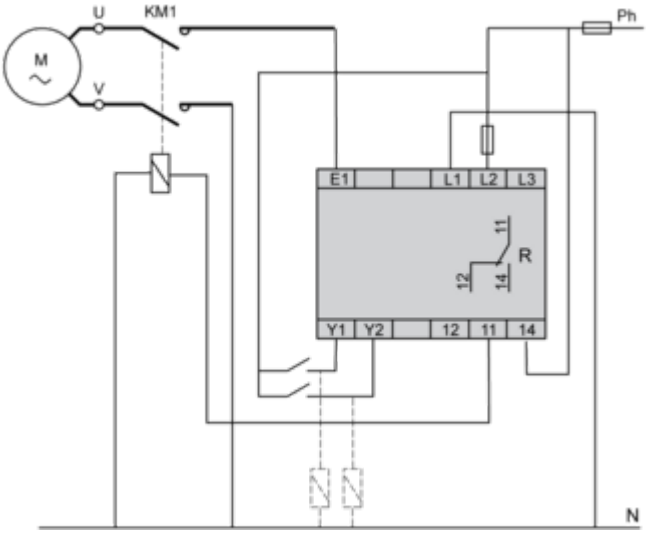
3-Phase and Single-Phase Pump Control Relays

Wiring Diagrams

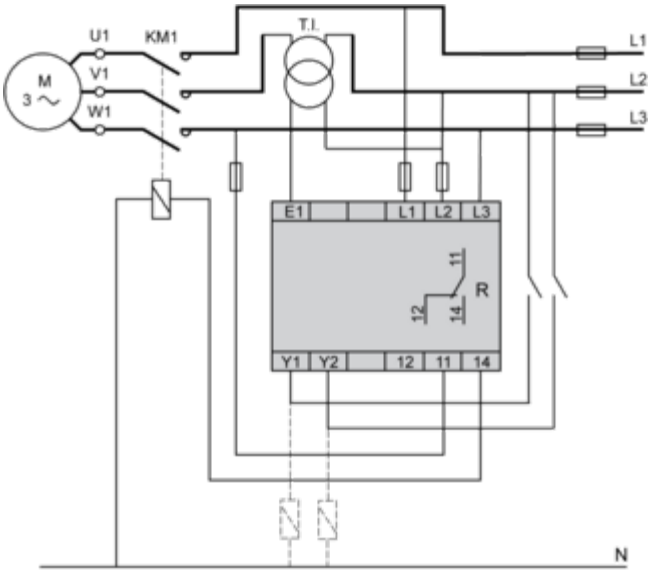
3-phase < 10 A



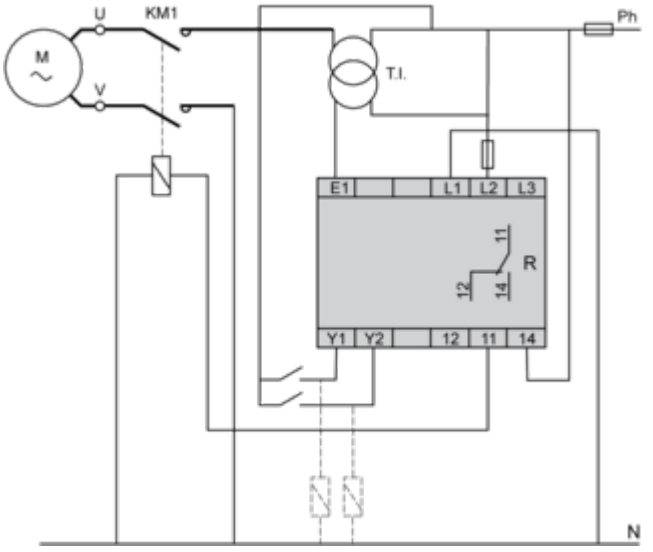
Single-phase ~ 230 V < 10 A



3-phase > 10 A



Single-phase ~ 230 V > 10 A

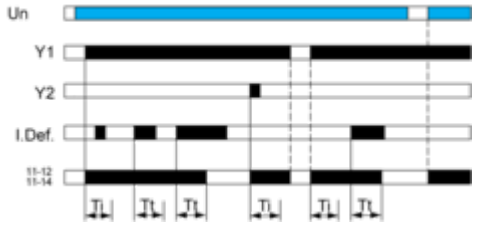


Technical Description

Function Diagrams

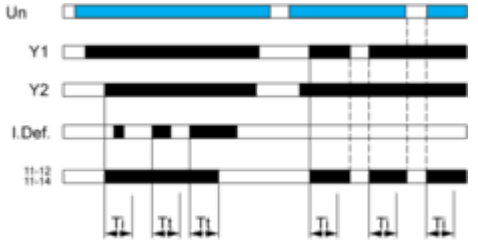
Single Control Mode

This mode is designed to control a pump via an external signal. The relay output is closed when the signal is present at Y1 (contact closed). Y2 can be used to reset the relay after a current fault.



Double Control Mode

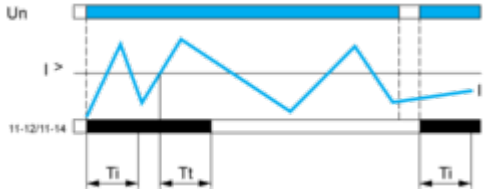
This mode is designed to control a pump via two external control signals (Y1 and Y2). The output relay closes when both input signals are present (Y1 and Y2 closed).



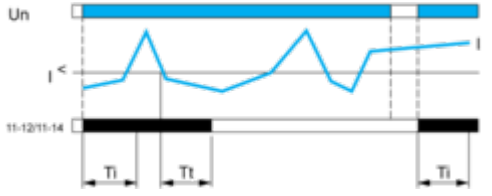
Current Control

If the control relay is configured for a single-phase supply, it monitors the current consumed by the pump. If the control relay is configured for a 3-phase supply, it monitors the current, phase sequence and phase failure.

Overcurrent detection



Undercurrent Detection

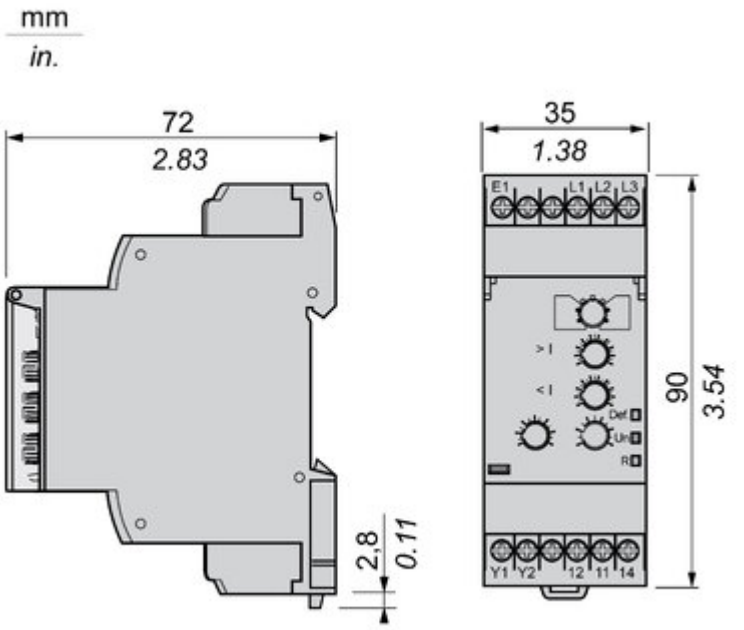


Legend

Ti Time delay to inhibit fault monitoring on starting of pump
Tt Time delay in the event of a fault
Un 3-phase or single-phase power supply
I Monitored current
I < Undercurrent threshold
I > Overcurrent threshold
I. Def Presence of a current fault
11-12, 11-14 Output relay connections
Relay status: black color = energized.

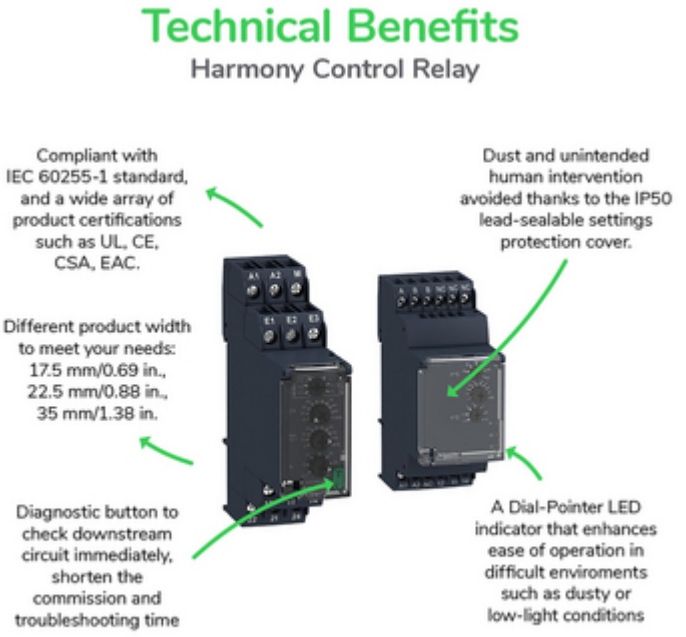
Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

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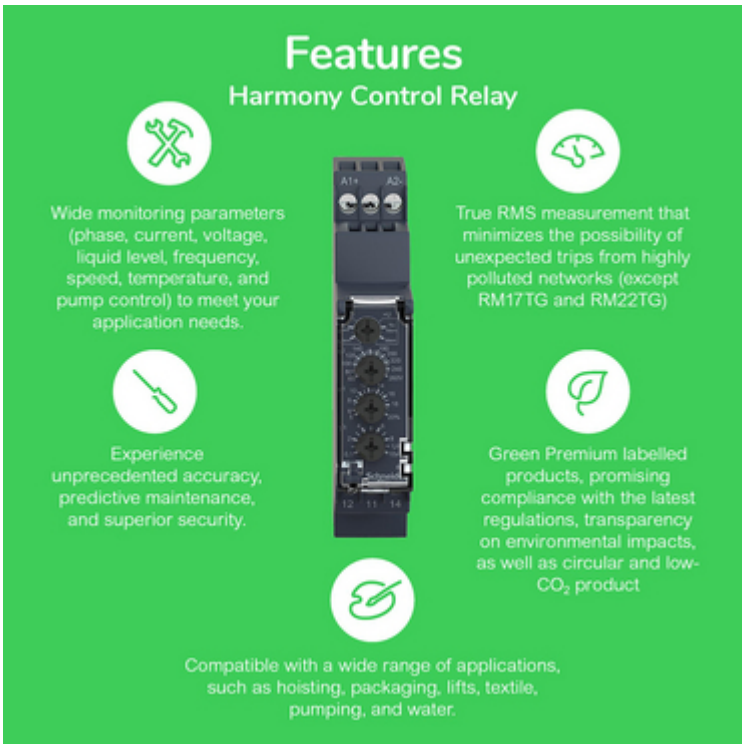
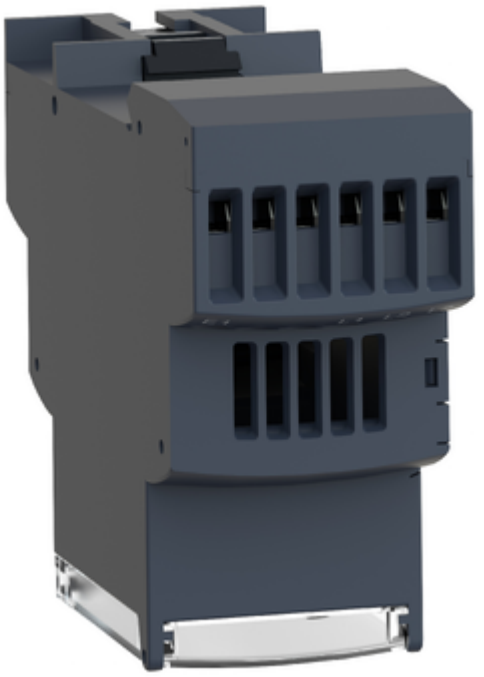
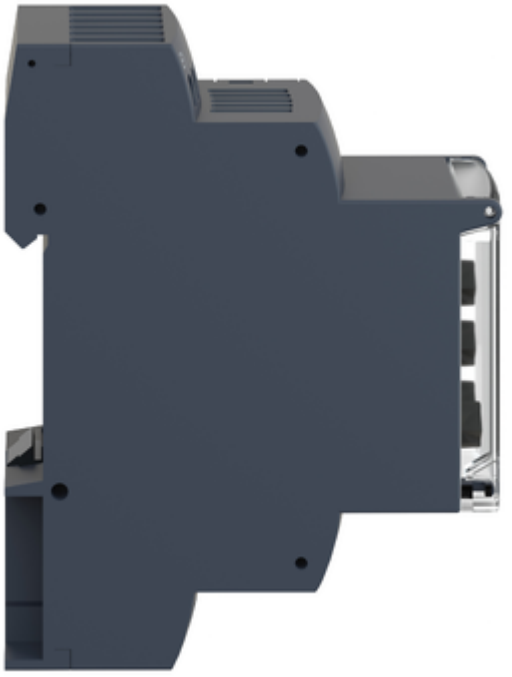


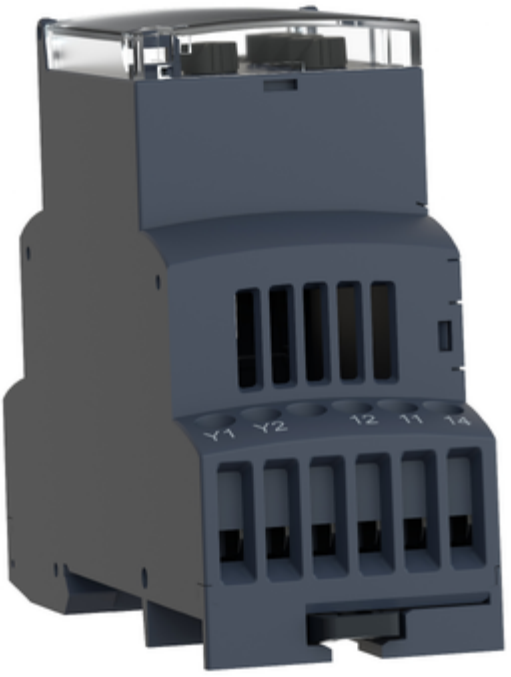
Image of product / Alternate images

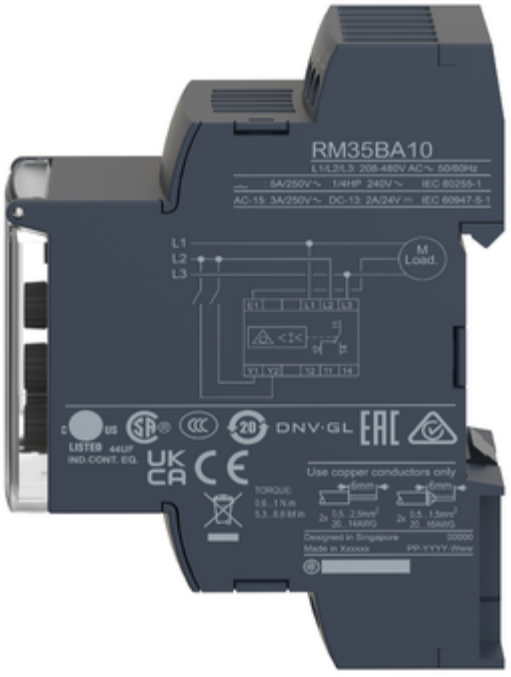
Alternative






E1
L1
L2
L3
3ph
Double
Simple
> I
< I
Ti
Schneider
Y1
Y2
12
11
14


Y1
Y2
12
11
14


RM35BA10
L1
L2
L3
M
Load.
DNV·GL
Use copper conductors only