



Modular 3 phase supply control relay, Harmony, 5A, 2CO, 208...440V AC

RM17TG20

viain	

Range of product	Harmony Control Relays
Product or component type	3-phase control relay
Relay type	Control relay
Product specific application	For 3-phase supply
Relay name	RM17TG
Relay monitored parameters	Phase sequence Phase failure detection (2 or more phase cut)
Time delay	Without
Switching capacity in VA	1250 VA
Measurement range	208440 V voltage AC
Contacts type and composition	2 C/O
[Uc] control circuit voltage	208440 V

Complementary

Maximum switching voltage	250 V AC 250 V DC
Minimum switching current	10 mA at 5 V DC
Supply voltage limits	183484 V AC
Control circuit voltage limits	- 12 % + 10 % Un
Power consumption in VA	022 VA at 400 V AC 50 Hz
Voltage detection threshold	< 100 V AC
Control circuit frequency	5060 Hz +/- 10 %
Output contacts	2 C/O
Nominal output current	5 A
Measurement voltage limits	183484 V AC
Delay at power up	650 ms
Voltage range	183484 V
Response time	<= 130 ms (in the event of a fault)
Marking	CE
Overvoltage category	III conforming to IEC 60664-1

> 500 MOhm at 500 V DC conforming to IEC 60255-5 > 500 MOhm at 500 V DC conforming to IEC 60664-1
400 V conforming to IEC 60664-1
50/60 Hz +/- 10 %
Any position without derating
Screw terminals, 1 x 0.51 x 4 mm² (AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² (AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.21 x 2.5 mm² (AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² (AWG 24AWG 16) flexible with cable end
0.61 N.m conforming to IEC 60947-1
Self-extinguishing plastic
LED (yellow) for relay ON
35 mm symmetrical DIN rail conforming to EN/IEC 60715
10000 cycles
30000000 cycles
<= 360 operations/hour full load
AC-12 conforming to IEC 60947-5-1 AC-13 conforming to IEC 60947-5-1 AC-14 conforming to IEC 60947-5-1 AC-15 conforming to IEC 60947-5-1 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1
B10d = 850000
MTTFd = 924.6 years
17.5 mm
17.5 mm
17.5 mm
17.5 mm
17.5 mm 0.13 kg Emission standard for industrial environments conforming to EN/IEC 61000-6-4 Emission standard for residential, commercial and light-industrial environments conforming to EN/IEC 61000-6-3
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3 conforming to IEC 60664-1

 $2~\mathrm{kV},\,1~\mathrm{min}~\mathrm{AC}~50~\mathrm{Hz}$

4 kV

Pollution degree

Dielectric test voltage

Non-dissipating shock wave

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.700 cm
Package 1 Width	7.800 cm
Package 1 Length	9.700 cm
Package 1 Weight	98.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	48
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.150 kg
Unit Type of Package 3	P06
Number of Units in Package 3	768
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	87.204 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty 18 months

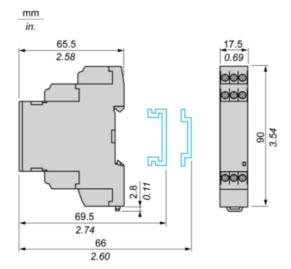
Product data sheet

RM17TG20

Dimensions Drawings

3-Phase Supply Control Relays

Dimensions and Mounting



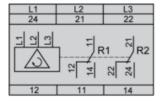
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Connections and Schema

3-Phase Supply Control Relays

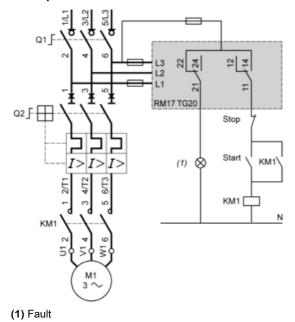
Wiring Diagram



Connections and Schema

Application Scheme

Example



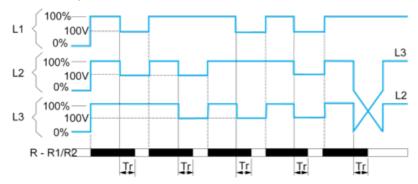
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Technical Description

Function Diagram

Phase Sequence Control and Total Loss of Phase Detection



Legend

 $\ensuremath{ \mbox{Tr}}$ Response time on appearance of a fault

L1, L2, L3 Phases of the supply voltage monitored

R - R1/R2 Output relay(s),

Relay status: black color = energized.

Recommended replacement(s)