

- ▶ PROTECTION RELAY FOR MOTOR WITH PTC SENSOR
- ▶ AUTOMATIC RESET
- ▶ TEST BUTTON FOR VERIFY
- ▶ OUTPUT RELAY 1 POLE CHANGEOVER CONTACT
- ▶ SIZE 2 MODULES - 35mm
- ▶ DIN RAIL MOUNTING EN50.022
- ▶ SELF-EXTINGUISHED MATERIAL UL94 V0



■ TYPICAL APPLICATION: MOTOR OVERLOAD

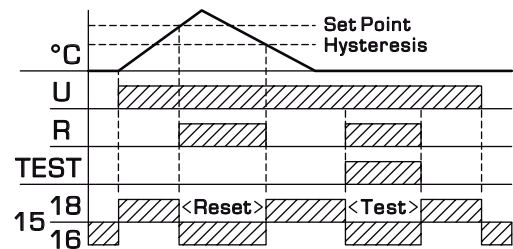
EU Directives - CE Marking:

- > 2014/30/UE - EMC
- > 2014/35/UE - LVD

TECHNICAL DATA

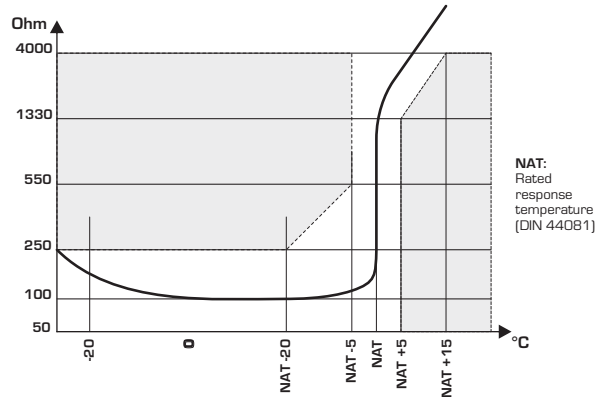
INPUT	UNIT	TPMYII1	TPMRII1	TPMGII1
Supply voltage AC ±10%	V~	12/24	110/230	400
Nominal Frequency	Hz	50 - 60 (range: 47 - 63)		
Power consumption (max. AC)	VA	0.5	3.2	5.6
Supply indication [U]	-	Green LED		
MEASURING CIRCUIT				
Type of PTC sensor	-	According to DIN 44081		
Total PTC resistance R1+R2+RN	KΩ	< 1.5		
Trip resistance	KΩ	2.7 - 3.1		
Reset resistance	KΩ	1.65 ±10%		
Voltage at T1 - T2	VAC	< 2.5		
OUTPUT RELAY				
Rating	-	8A - 250V~/24V---		
Max switching power	-	2000VA		
Max switching voltage	-	400V~		
Min switching load	-	10mA 12V---		
Contact life	Mech. Electr.	30 x 10 ³ ops 100 x 10 ³ ops		
Changeover contacts	-	AgNi0.15		
Output Indication [R]	-	Red LED		
GENERAL				
Working temperature	°C	-20 / +50		
Storage temperature	°C	-30 / +70		
Electrical Insulation (supply/probe)	kV	3		
Electrical Insulation (supply/relay)	kV	4		
Oversoltage Category	-	III		
Protection degree	IP	20		
Pollution degree	-	2		
Climatic category according to (without condensation)	-	IEC 60068-1 (20/050/60) DIN 40040 (class D)		
Altitude up to	m			
Weight	g	170		
Dimensions	mm	94 x 35 x 58		

FUNCTIONS

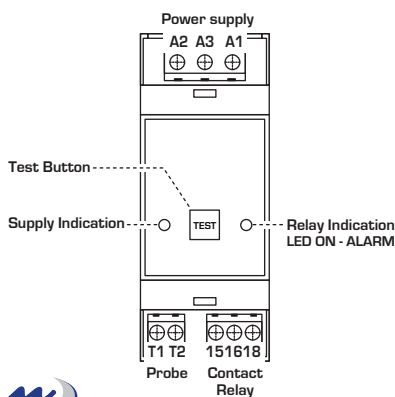


When Status is OK the R led is OFF and Relay is ON
 When Status is wrong the R led is ON and Relay is OFF

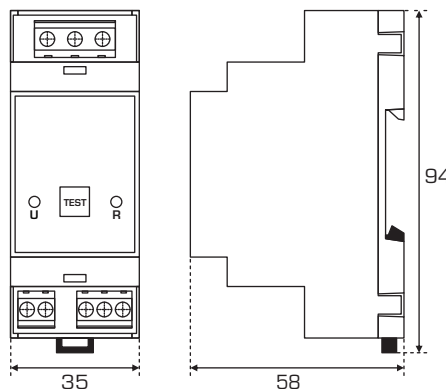
PTC RESISTIVE CURVE



DESCRIPTION



DIMENSIONS (mm)



WIRING DIAGRAM

