

Voltage Monitoring Series MKT-17.5



- Compact 17.5 mm Wide
- Protects against Phase Loss, Phase Reversal
- Three Phase 3 wire @ 415 VAC
- Fixed Under Voltage / Over Voltage
- LED Indication for all Faults
- Fixed Time Delay

- Multi-Voltage: Three Phase 3 Wires @ 208-480 VAC
- Protection Against Phase Loss, Phase Asymmetry, Under Voltage and Over Voltage
- LED Indication for all Faults
- Selectable Under / Over Voltage
- One (1) C/O Configuration

Ordering Information

Cat. No.	Description
MKT-17.5G21D2	415VAC, Phase Loss, Phase Sequenced, Fixed UV/OV, 1 C/O
MKT-17.5D21DF	208-480 VAC, UV/OV, Phase Loss & Sequence with Selectable OFF Delay, 1 C/O
MKT-17.5G21DH	208-480 VAC, UV/OV & SPP with Selectable ON Delay, 1 C/O
MKT-17.5G21DF	208-480 VAC, UV/OV & SPP with Selectable OFF Delay, 1 C/O

Voltage Monitoring Series

MKT-17.5



MeK-Tronics

CAT. NO.	MKT-17.5G21D2	MKT-17.5MD21DF	MKT-17.5MG21DH	MKT-17.5MG21DF
Parameters				
Supply Voltage (ϕ)	415 VAC, (3 Phase 3 Wire)	208-480 VAC, (3 Phase 3 Wire)		
Supply Variation	-12% to + 10% (of ϕ)			
Frequency	50/60 Hz			
Power Consumption (Max.)	3.5 VA			
Settable Nominal Voltage	208 - 220 - 380 - 400 - 415 - 440 - 480 - VAC			
Trip Levels	Phase Loss	Yes		
	Phase Sequence	Yes		
	Phase Asymmetry	10% Fixed	N/A	10% Fixed
	Over Voltage	460 VAC	+2% to +20% (of ϕ)	+5% to +25% (of ϕ)
	Under Voltage	350 VAC	-2% to -20% (of ϕ)	-5% to -25% (of ϕ)
Time Delay	Power ON Delay	<750 ms	5 s	0.5 s to 100 s (Selectable)
	Delay from Phase Fault	100 ms	0.5 to 15 s (Selectable)	5 s
	Fixed Time Delay	5 sec.		
Output	Relay Output	1 C/O		
	Contact Rating	5A @ 250 VAC/30 VDC (Resistive)		
	Electrical Life	1 x 10 ⁵		
	Mechanical Life	3 x 10 ⁶		
Utilization Category	AC-15	Rated Voltage (Ue): 120/240V, Rated Current (Ie): 3.0/1.5 A		
	DC-13	Rated Voltage (Ue): 24/125/250V, Rated Current (Ie): 2.0/0.22/0.1 A		
LED Indication	Healthy	Power LED Continuous ON		
	Phase Reverse	RV LED Flashing, Phase Asymmetry - LED ON		
	UV/OV	UV/OV LED ON		
Operating Temperature	-15° C to +60° C			
Storage Temperature	-20° C to +80° C			
Humidity (Non Condensing)	95% (Rh)			
Enclosure	Flame Retardant UL 94-VO			
Dimension (W x H x D) (in mm)	17.5 X 90 X 58.5			
Weight (unpacked)	70 g			
Mounting	Base / DIN Rail			
Degree of Protection	IP 20 For Terminal, IP 30 For Enclosure			
Certification				

EMI/EMC

Harmonic Current Emissions

ESD

Radiated Susceptibility

Electrical Fast Transients

Surges

Conducted Susceptibility

Voltage Dips & Interruptions (AC)

Conducted Emission

Radiated Emission

IEC 61000-3-2

IEC 61000-4-2

IEC 61000-4-3

IEC 61000-4-4

IEC 61000-4-5

IEC 61000-4-6

IEC 61000-4-11

CISPR 14-1

CISPR 14-1

ENVIRONMENTAL

Cold Heat

Dry Heat

Vibration

Repetitive Shock

Non-Repetitive Shock

IEC 60068-2-1

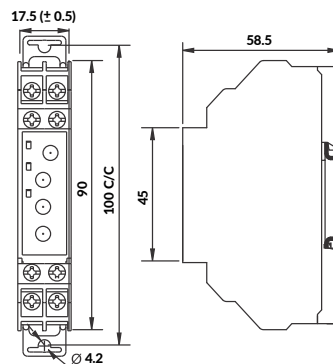
IEC 60068-2-2

IEC 60068-2-6

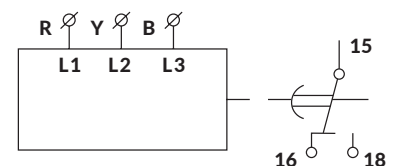
IEC 60068-2-27

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MOUNTING DIMENSION (mm)



CONNECTION DIAGRAM



TERMINAL TORQUE AND CAPACITY

	0.80 N. m (7.1 Lb. in)
Ø3.5 mm ... 5.0 mm	
	2 X 2.5 mm ² Solid/Stranded Wire
AWG	2 X 20 to 14