lechna MONITORING RELAYS

Montec-3PVM-LED

Optical Signalling of 3 Phase AC



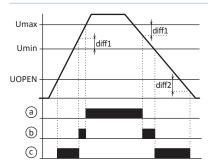
The Montec-3PVM-LED is used for optical signalling of the voltage levels on three phase systems. Each phase features LED signalling, divided by colour into voltage levels.

- Green LED = Voltage in tolerance of ± 15%
- Red LED = Overvoltage
- Yellow LED = Undervoltage
- LED not illuminated = Voltage < 50V
- Four-wire connection L1, L2, L3, N
- Monitors phase voltages against neutral wire
- Not dependent upon order of phases
- 1-module, DIN-Rail mounting

Order Code

Montec-3PVM-LED

Montec-3PVM-LED Function



- a Red LED
- b Green LED
- c Yellow LED

When the supply voltage indicator LEDs are turned ON, the colour corresponds to the voltage of each phase. If the phase voltage drops below 40V (Phase Failure), the corresponding LED will not illuminate.

Montec-3PVM-LED Technical Specification

Supply Voltage 3x 400/230Vac (50 - 60Hz) Supply Voltage Tolerance +20%, -75% Power Consumption 1VA / 0.5W max. LED not Illuminated 0V - 50V / 45V - 0V LED Illuminated Yellow Green 207V - 264.5V / 253V - 95.5V Red 264.5V - 276V / 276V - 253V Operating Temperature -20°C to 55°C Storage Temperature 30°C to 70°C Design Single Module Width Operating Position Any Mounting DIN-Rail EN 60715 Protection Degree IP40 from Front Panel / IP10 Terminals Overvoltage Category III Pollution Degree 2 Max. Cable Size (mm²) Stranded Wire with Ferrule max. 1x 2.5 or 1x 4 / Stranded Wire with Ferrule max. 1x 2.5 or 2x 1.5 (AWG 12) Dimensions 90 x 17.6 x 64mm Weight 48g			
Power Consumption	Supply Voltage		3x 400/230Vac (50 - 60Hz)
LED not Illuminated Yellow 50V - 207V / 45V - 0V LED Illuminated Yellow 50V - 207V / 195.5V - 45V Green 207V - 264.5V / 253V - 95.5V Red 264.5V - 276V / 276V - 253V Operating Temperature - 20°C to 55°C Storage Temperature - 30°C to 70°C Design Single Module Width Operating Position Any Mounting DIN-Rail EN 60715 Protection Degree IP40 from Front Panel / IP10 Terminals Overvoltage Category III Pollution Degree 2 Max. Cable Size (mm²) Solid Wire max. 2x 2.5 or 1x 4 / Stranded Wire with Ferrule max. 1x 2.5 or 2x 1.5 (AWG 12) Dimensions 90 x 17.6 x 64mm Weight 48g	Supply Voltage Tolerance		+20%, -75%
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Protection Degree IP40 from Front Panel / IP10 Terminals Overvoltage Category III Pollution Degree 2 Max. Cable Size (mm²) Stranded Wire max. 2x 2.5 or 1x 4 / Stranded Wire with Ferrule max. 1x 2.5 or 2x 1.5 (AWG 12) Dimensions 90 x 17.6 x 64mm Weight	Operating Position		Any
Overvoltage Category Pollution Degree 2 Max. Cable Size (mm²) Solid Wire max. 2x 2.5 or 1x 4 / Stranded Wire with Ferrule max. 1x 2.5 or 2x 1.5 (AWG 12) Dimensions 90 x 17.6 x 64mm Weight	Mounting		DIN-Rail EN 60715
Pollution Degree 2 Max. Cable Size (mm²) Dimensions 90 x 17.6 x 64mm Weight 2 Solid Wire max. 2x 2.5 or 1x 4 / Stranded Wire with Ferrule max. 1x 2.5 or 2x 1.5 (AWG 12) 48g	Protection Degree		IP40 from Front Panel / IP10 Terminals
Solid Wire max. 2x 2.5 or 1x 4 / Stranded Wire with Ferrule max. 1x 2.5 or 2x 1.5 (AWG 12) Dimensions 90 x 17.6 x 64mm Weight	Overvoltage Category		III
Stranded Wire with Ferrule max. 1x 2.5 or 2x 1.5 (AWG 12) Dimensions 90 x 17.6 x 64mm Weight 48g	Pollution Degree		2
Weight 48g	Max. Cable Size (mm²)		
	Dimensions		90 x 17.6 x 64mm
Standards FN 60947-1 FN 60947-5-1	Weight		48g
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