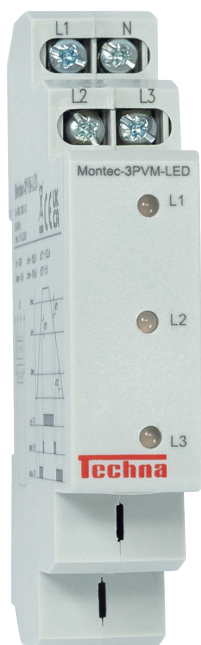


Montec-3PVM-LED

Optical Signalling of 3 Phase AC



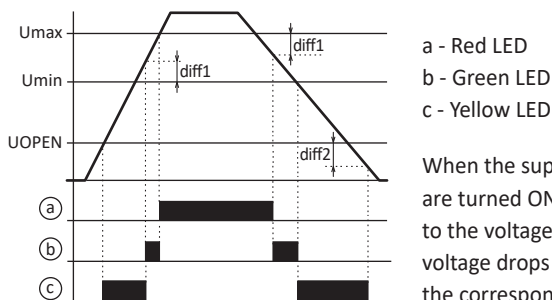
The Montec-3PVM-LED is used for optical signalling of the voltage levels on three phase systems. Each phase features LED signalling, divided by colour into voltage levels.

- Green LED = Voltage in tolerance of $\pm 15\%$
- 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



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	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 (mm ²)	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	
Standards	EN 60947-1, EN 60947-5-1	