



VOLTAGE PROTECTION RELAY

VR-3KN-00

APPLICATIONS

Electrical LV panels

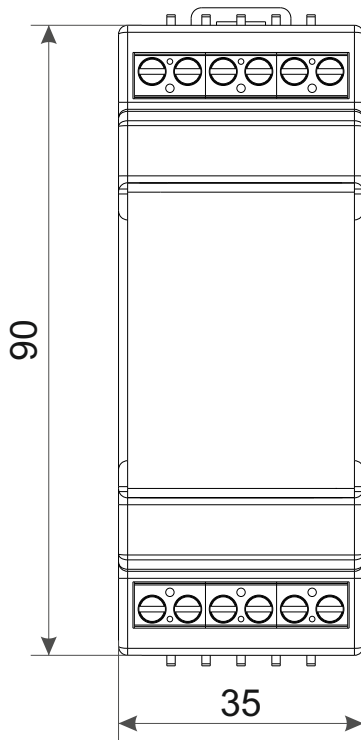
Distribution boxes

Automation panels

Special purpose machine

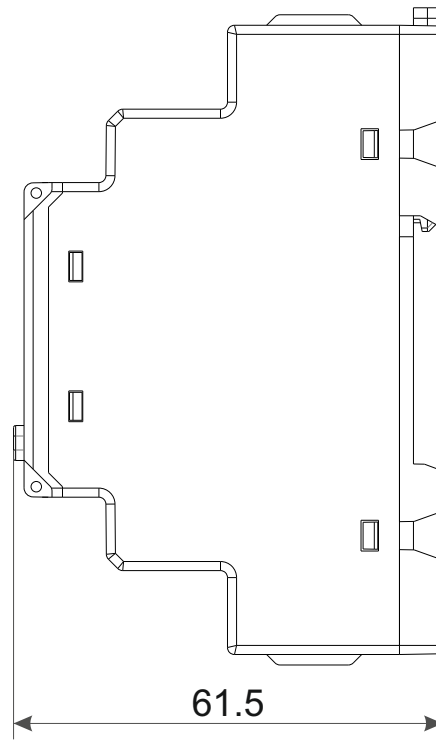
Air conditioning - HVAC

Mechanical Dimensions



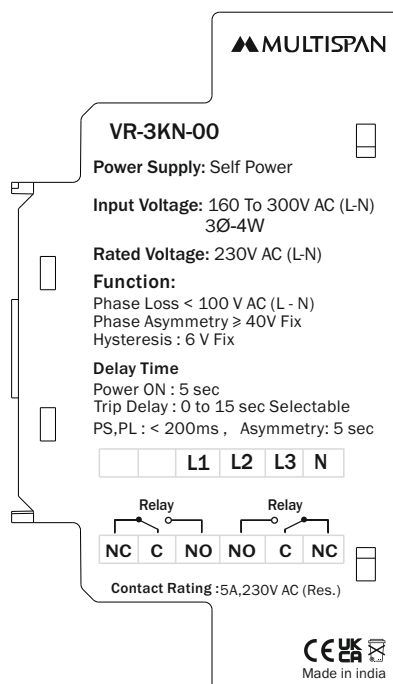
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



TECHNICAL DATA

Mounting	DIN Rail Mounting
Output	1Relay 2 C/O 5A 230V AC (Res.)
Supply Voltage	160V to 300V AC, (L-N) 3Ø-4W

FEATURES
• Auto Reset
Protection Available
• Under Voltage
• Over Voltage
• Phase Loss
• Phase Asymmetry
• Phase Sequence

LED Indication
• Main LED
• Relay LED
• Under Voltage LED
• Over Voltage LED
• Phase Loss : LED
• Asymmetry : LED
• Phase Sequence LED

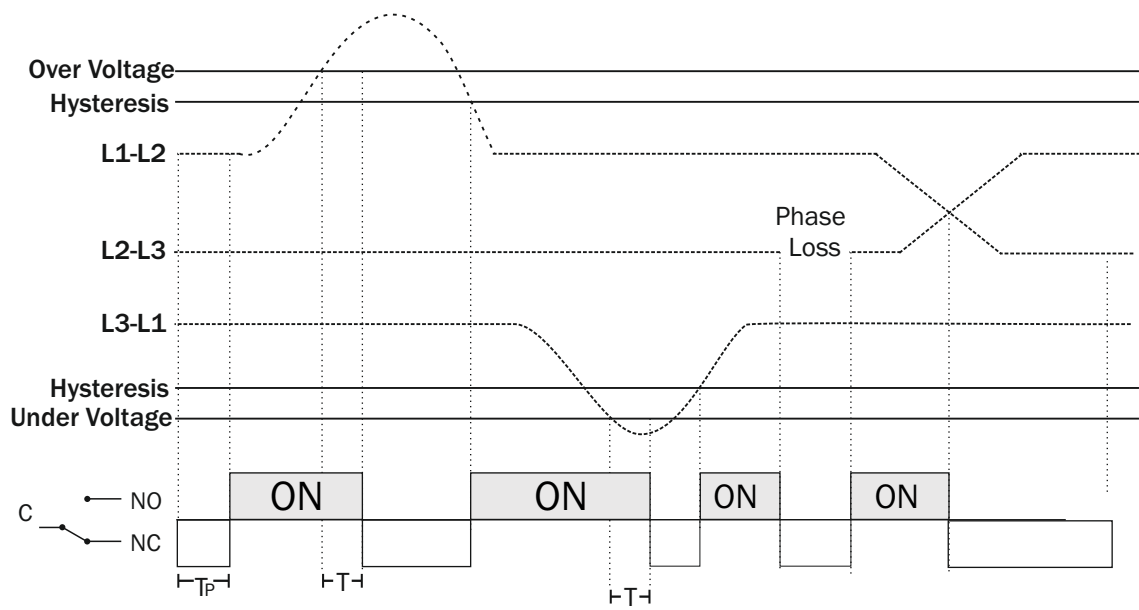
SUPPLY VOLTAGE	
Input Voltage	160V to 300V AC, 3Ø-4W
Burden	7VA @ 230V AC Max

Environmental	
Operating Temperature	0 to 55 °C
Storage Temperature	0 to 70 °C
Himidity	95% RH Non-condensing

TRIPPING PARAMETER	
Rated Voltage	230V (L-N)
• Under Voltage	10 to 70
• Over Voltage	10 to 70V
• Phase Sequence	200ms
• Phase Loss	200ms
• Phase Asymmetry	40V Fix

Dimensions	
Mounting	Din Rail Mounting
Bezel (HXW)	90 x 35 mm
Depth of Installation	61.5 mm

CONTROL FUNCTION



Phase Loss	< 100V (L-N)	T_P = Power ON Delay (5 sec)
Phase Asymmetry	40V AC Fix	T = Trip Delay (0 to 15 sec)
Hysteresis	6 V	