

# VOLTAGE PROTECTION RELAYS

## 3-PHASE VOLTAGE PROTECTION RELAY

Code	VCR-02F VCR-03F
Connection	3Phase+N (VCR-02F) 3-Phase (VCR-03F)
Protection Functions	Over/Under Voltage Supply Voltage Phase Sequence Phase Absence Neutral Absence ( VCR-02F)
Over Voltage	230V-300VAC (VCR-02F) 400V-510VAC (VCR-03F)
Under Voltage	140V-210VAC (VCR-02F) 260V-370VAC (VCR-03F)
Delay Time	0.1sec – 20sec
Reset Time	0.1sec – 20sec
Contact	1NO + 1NC
Operating Voltage	140V-300VAC (VCR-02F) 260V-510VAC (VCR-03F)
Case	C5

## 1-PHASE VOLTAGE PROTECTION RELAY

Code	VCR-11
Connection	1-Phase
Protection Functions	Over/Under Voltage
Over Voltage	230V-300VAC
Under Voltage	150V-210VAC
Delay Time	0.5sec – 20sec
Reset Time	0.5sec – 20sec
Contact	1NO + 1NC
Operating Voltage	140V-300VAC
Case	C5

