



□ Features

- Microcontroller based.
- True RMS measurement
- Parameters setting by knobs
- N phase failure protection for 3phase 4 wire
- 1C/O output-8A
- LED indication for supply and output state
- 1 module Din-rail mounting

□ Technical data

Modes	3phase 4wire
Supply terminals	L1,L2,L3,N
Supply voltage	220V/230V/240V
Operating voltage range	154V-312V
U> setting value	(105%-125%)xUn
U< setting value	(75%-95%)xUn
Asymmetry setting	adjustable: 5%~20%; fixed: 8%
U> trip delay	adjustable: 0.1~10s; fixed: 2s
U< trip delay	adjustable: 0.1~10s; fixed: 2s
Asymmetry trip delay	adjustable: 0.1~10s; fixed: 2s
Hysteresis	2% fixed
Trip time for incorrect phase sequence and phase failure	<0.5s
Delay error	±10%+0.1s
Knob setting error	1% x scale value
Rated insulation voltage	415V
Output contacts	1C/O
Current rating	8A/250V AC1
Mechanical life	10 <sup>6</sup>
Electrical life	10 <sup>5</sup>
Protection degree	IP20
Pollution degree	3
Altitude	≤2000m
Operating temperature	-20°C~55°C
Permissible relative humidity	≤50% at 40°C(without condensation)
Storage temperature	-30°C~70°C
Wire size/Torque	0.5mm <sup>2</sup> ~2.5mm <sup>2</sup> /0.5Nm
Mounting	TH-35 Rail(EN60715)

Models	U>	U<	Phase failure	Phase sequence	Asymmetry
ARA-VMR-31N	●	●	●	●	●

Models	Supply voltage (Un)	Note
ARA-VMR-31N	3x415/240	3phase 4wire

□ Front-face panel

