

Voltage monitoring relay

U3N

Protections

-  **Phase imbalance or phase loss**
-  **Phase sequence**
- $U>$ Overvoltage**
- $U<$ Undervoltage**
-  **Loss of neutral**

Three-phase voltage relay - 4 wire

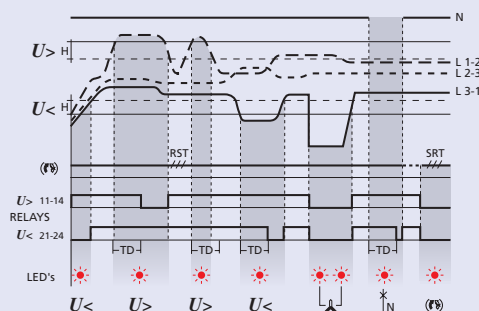
- Suitable to protect three-phase with neutral installations against variations in main voltage and loss of neutral. Sensitive to incorrect phase sequence. Applicable in generators.
- Maximum and minimum thresholds can be adjusted separately.
- Two independent output relays.
- Reset time delay adjustable.
- Monitors neutral

U3 N



Protections	$U>$	$U<$			
Models	U3N-230	U3N-400			U3N-440
Frequency	50/60 Hz	50/60 Hz			50/60 Hz
Maximum threshold	V / Hz	230-260	400-460		440-500
Minimum threshold	V / Hz	200-230	340-400		380-440
Code no.	12056	12055			12057

Characteristics	
Type of supply to be monitored	Three-phase with neutral
Auxiliary supply $\pm 10\%$	Self-powered
Accuracy	$U>+4\% -1\%$; $U<+1\% -4\%$
Trip time delay (TD)	0,1 to 3,7s ($\pm 20\%$) for $U>$ $U<$ 
Reset time delay (RD)	-
Reset mode	Automatic
Hysteresis	4% of the nominal voltage
Signalling LED's	4 LED's: ON + $U>$ +  + $U<$ 
Output contacts	2 relays with 1 NO
Switching power	I_{th} : 5A; AC15 - 250V - 2A; DC13 - 30V - 2A
Terminals: Max. section / Screw torque	2,5 mm ² , No. 22 - 12AWG / 20Ncm, 1.8 LB - IN
Power consumption	12 VA (230 Vac) - 20 VA (400 Vac)
Protection degree / weight	IP20 / 0,35 kg
Storage / operation temperature	-30°C +70 °C / -15°C +60°C



Dimensions

