

Voltage monitoring relay

U3S

Protections

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

Three-phase voltage relay

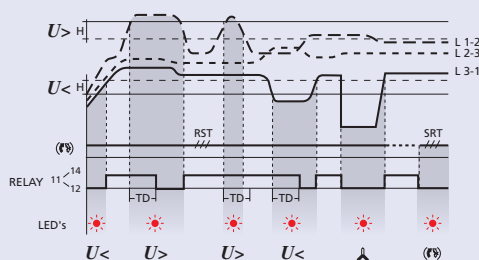
- Protects three-phase installations against voltage variations between phases, incorrect sequence of phases and phase loss.
- Minimum and maximum thresholds adjustable (two potentiometers).
- Tripping time delay adjustable (two potentiometers).
- Model U3S-420 is valid for 400 and 440 nominal V.

U3 S



Protections	$U>$	$U<$		
Models	U3S-230	U3S-420		
Frequency	50/60 Hz	50/60 Hz		
Maximum threshold V / Hz	210-290	380-500		
Minimum threshold V / Hz	185-230	350-430		
Code no.	12071	12070		

Characteristics	
Type of supply to be monitored	Three phase
Auxiliary supply $\pm 10\%$	Self-powered
Accuracy	$U>+4\%$ -1%; $U<+1\%$ -4%
Trip time delay (TD)	0,1 to 6s ($\pm 20\%$) 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	1 relay with 1 change-over NO - NC
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	7,5 VA (230 Vac) - 11 VA (400 Vac)
Protection degree / weight	IP20 / 0,12 kg
Storage / operation temperature	-30°C +70 °C / -15°C +60°C



Dimensions

