

## 3 PHASE OVER/UNDER VOLTAGE RELAY H3US, H3USN

84873220

H3US VOLTAGE CONTROL RELAY

- Phase control of line voltage
- Wide range input voltage
- 35 mm cabinet with DIN rail
- LED indication



### PRODUCT DESCRIPTION

Control relay for monitoring of 3-phase networks with neutral (H3USN) and without neutral (H3US). Adjustable switch at the front for adjustment of correct voltage in 3-phase networks. The switch's position is not registered until the operating voltage is switched on. If the switch position is changed during operation, all LEDs (LED indications) begin to flash but the unit will continue to function normally with the voltage that was set at the most recent power connection. Monitors under-voltage between the phases that can be set between -2 % and -20 % of  $U_n$  (measurement voltage) and over-voltage that can be set between 2 % and 20 % of  $U_n$ . Each limit (over-/under-voltage) has its own relay output (R1 Over and R2 Under) and there is an adjustable time delay for each relay output (Tt1 and Tt2), adjustable between 0.3-30 s. H3USN also checks for neutral interruption. Green LED ( $U_n$ ) indicates supply voltage OK. Yellow LED (R) indicates active relay output.

### SPECIFICATIONS

<b>Approvals</b>	CE, CSA, RoHS, UL
<b>Breaking capacity</b>	5A, 250V AC/DC
<b>IP Class Connection</b>	IP20
<b>IP Class Housing</b>	IP30
<b>Lower Limit</b>	-2 - -20%
<b>Output</b>	2x Relay
<b>Selection of rated voltage</b>	220, 380, 400, 415, 440, 480V
<b>Supply voltage</b>	3 x 220-480V AC
<b>Temperature range bearing, from</b>	-40 °C
<b>Temperature range bearing, to</b>	70 °C
<b>Temperature range from</b>	-20 °C

Temperature range to	50 °C
Time Delay On Crossing The Threshold	0,3-30s
Time Delay Start	0.5 s
Upper Limit	2 - 20%
Weight	130 g

