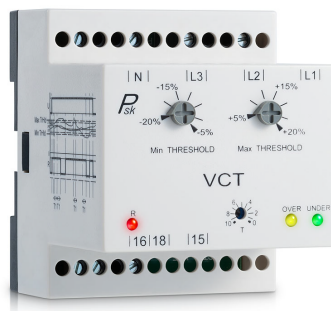


VCT

Voltage control relay between phases for three-phase network

- * Unaffected by wrong phase sequence.
- * Detects loss of phase.
- * Detects absence of neutral.
- * Fixed hysteresis.
- * 3 LED's indicates Over voltage, Under voltage and relay status.
- * Not effected by harmonic distortion.
- * Timing on the event of over / under voltage, can be adjusted between 0.1 to 10 seconds.
- * Minimum and maximum thresholds can be adjusted separately between -20% - +20%.

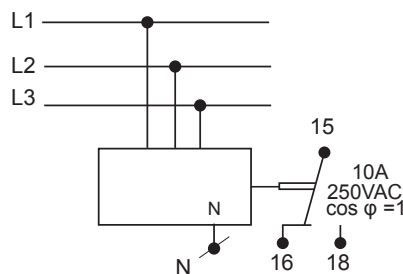


Operating

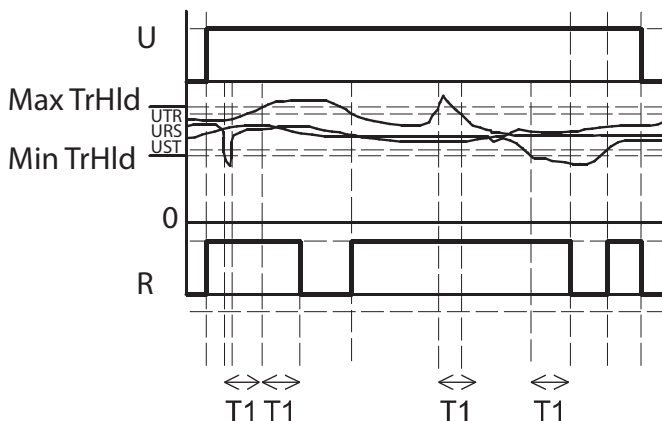
Output relay energizes when the values of the three voltages between phases lie within the minimum and maximum thresholds. If one or more voltages between phases lie outside the window constituted by the MIN / MAX threshold, the relay output de-energizes at the end of time (T). A 3% set hysteresis ensures clean relay switching at each threshold.

Red LED displays relay status
 Yellow Led displays OVER VOLTAGE.
 Green LED displays UNDER VOLTAGE.

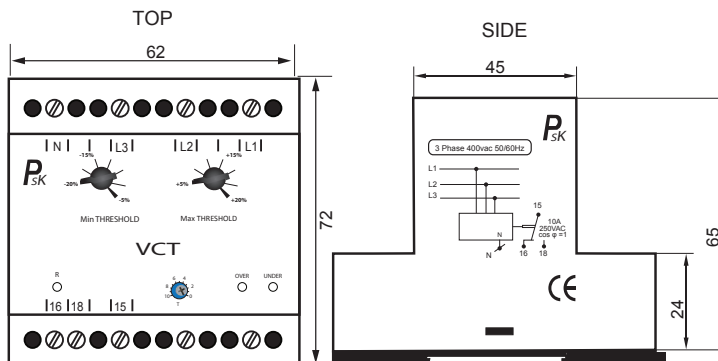
Connections



Function



Dimensions



Ordering information

VCT



General specifications

- Supply: 3 Phase 400vac 50/60Hz
- Power consumption: 1.8 VA
- Duty cycle: 100%
- Protection class open air: IP20
- Protection class enclosed: IP40
- Self-extinguishing plastic housing UL V0 acc IEC 529
- Mounting position: on DIN-rail TS 35 according to EN 50022
- Terminal : acc IEC 60947-7-1, IEC 60998-1
- Terminal Capacity: 1x4mm² without multicore cable end
 1x0.5 to 2.5mm² with/without multicore cable end

Output circuit

- Relay: 1 C/O
- Rated voltage: 250 Vac
- Switching capacity ac: (8A / 250V) COS φ = 1
- Switching capacity dc: 3 A 30 Vdc
- Max switching capacity ac: 10 A
- Mechanical life: 1 x 10⁶ operations
- Electrical life at 1000 VA COS φ=1: 200.000 operations

Environmental conditions

- Permissible ambient temperature: -20°C....+50°C
- Storage temperature: -25°C....+70°C
- Transport temperature: -25°C....+70°C
- Relative humidity (acc. IEC 721-3-3 CLASS 3K3): 15% to 85%
- Vibration resistance (acc. IEC 68-2-6): 10 TO 55 H

Dimensions & weight

- Width: 62 mm
- Height: 65 mm
- Depth (excl. DIN-profile): 72 mm
- Weight: 213 gram