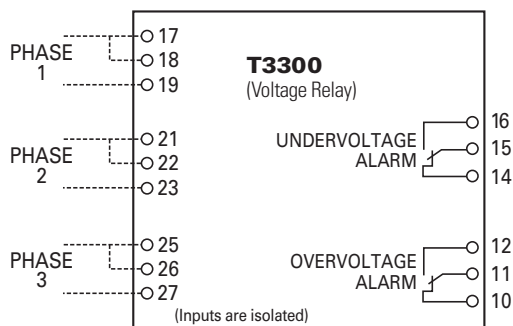


T3300 SERIES

3-Phase Voltage Relay



Simplified Circuit Diagram



Ordering Information

ORDERING NUMBER	TERMINALS	
	17-19 21-23 25-27	18-19 22-23 26-27
T3300.0010	230 V	
T3300.0020	450 V	400 V
T3300.0030	110 V	100 V
T3300.0040	480 V	415 V

Other voltages are available on request.

Description

The T3300 Voltage Relay is designed for voltage monitoring on generators, bus bars or other distribution systems. The T3300 will signal when the voltage is under or over the limits for a preset time period.

The T3300 consists of two circuits, one circuit for overvoltage and one for undervoltage monitoring. Each circuit has individual settings for voltage levels and time delays.

Features & Benefits

FEATURES	BENEFITS
Accepts high supply voltage variation	Ensures correct operation in spite of voltage supply fluctuations (fulfills marine class requirement)
Visual indication of power, pick-up, and output trip	Provides quick and concise status information
Direct line-line or line-neutral voltage supply (up to 690 Vac)	Simplifies design and installation. No need for PTs.
Combining 2 relays in same enclosure	Economic solution. 3-phase monitoring of both undervoltage and overvoltage in same unit, and occupying less space in the switch panel
Galvanic isolated inputs	Protects the unit against high AC voltage and currents from the installation including spikes
DIN-rail or screw-mount & adjustment by potentiometers	Easy installation

Specifications

Overvoltage Level	100-120%
Delay	1-10 sec.
Hysteresis	1-10%
Undervoltage Level	80-100%
Delay	1-10 sec.
Hysteresis	1-10 %
Max. Voltage	660 V
Voltage Range	70-120%
Consumption	5 VA at U_N
Frequency Range	40-400 Hz
Overvoltage Relay	Normally de-energized
Undervoltage Relay	Normally energized
Contact Rating	AC: 250 V, 2 A, 250 VA DC: 60 V, 2 A, 100 W
Overall Accuracy	±3% of highest value
Repeatability	±1%
Operating Temperature	–20°C to + 70°C
Dielectric Test	2500 V, 50 Hz
EMC	CE according to EN50081-1, EN50082-1, EN50081-2, EN50082-2
Approvals	Certified by major marine classification societies
Burn-in	50 hours before final test
Enclosure Material	Polycarbonate. Flame retardant
Weight	1.2 kg
Dimensions	H 70 mm (2.76"); W 150 mm (5.9"); D 115 mm (4.52")
Installation	35 mm DIN rail or 4 mm (3/16") screws

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Littelfuse:](#)

[T3300.0030](#) [T3300.0040](#) [T3300.0020](#)