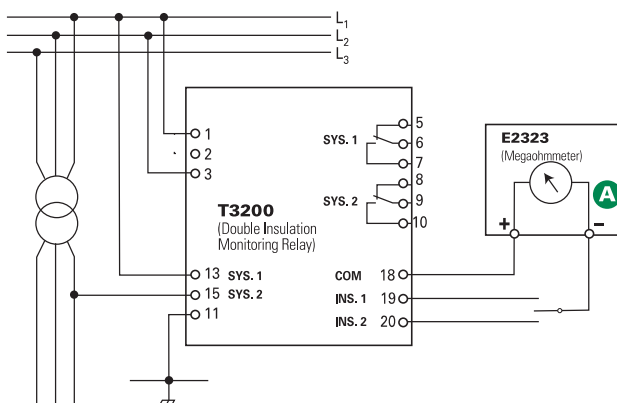


## T3200 SERIES

### Two-Channel Insulation-Monitoring Relay



### Simplified Circuit Diagram



### Ordering Information

ORDERING NUMBER	1-3 TERMINALS	2-3 TERMINALS
T3200.0010	230 V	—
T3200.0020	450 V	400 V
T3200.0030	480 V	415 V
T3200.0050	110 V	100 V
T3200.0060	127 V	120 V

Other voltages are available on request.

ACCESSORIES	DIMENSION
E2323.0010 Megaohmmeter	96 x 96 mm
E2333.0010 Megaohmmeter	144 x 144 mm

### Accessories



#### E2323 Megaohmmeter

Flush mounted units designed for connection with the T3200 for instrument readings.

### Description

The T3200 Insulation-Monitoring Relay is designed for continuous insulation monitoring on three-phase insulated networks on board ships. The relay continuously monitors two systems galvanically separated from each other, e.g. the busbar and the lighting system, or two busbar systems. The unit features two output relays for alarm purposes and two analog outputs for instrument reading. Instruments are available from Littelfuse Selco as standard-sized switchboard instruments. The T3200 carries the CE label and has been approved by major marine classification societies.

### Features & Benefits

FEATURES	BENEFITS
<b>Accepts high supply voltage variation</b>	Ensures correct operation in spite of voltage supply fluctuations (fulfills marine class requirement)
<b>Visual indication of power, pick-up, and output trip</b>	Provides quick and concise status information
<b>Direct line-line or line-neutral voltage supply (up to 690 Vac)</b>	Simplifies design and installation. No need for PTs.
<b>Combined monitoring of 2 independent systems</b>	Economic solution and occupying less space in the switch panel
<b>Available with separate 24 Vdc supply</b>	Safe operation. Maintains protection regardless of system voltage failure
<b>Galvanic isolated inputs</b>	Protects the unit against high AC voltage and currents from the installation including spikes
<b>DIN-rail or screw-mount &amp; adjustment by potentiometers</b>	Easy installation

### Specifications

<b>Insulation Level</b>	0-5 MΩ
<b>Delay</b>	1-10 sec.
<b>Max. Voltage</b>	660 V
<b>Voltage Range</b>	80-110%
<b>Consumption</b>	Max. 2 VA
<b>Frequency Range</b>	45-65Hz
<b>Measuring Voltage</b>	15 Vdc
<b>Instrument Output</b>	0-1 mA
<b>Instrument Resistance</b>	Max. 100 Ω
<b>Output relays</b>	Normally de-energized; non-fail-safe
<b>Contact Ratings</b>	AC: 400 V, 2 A, 250 VA; DC: 110 V, 2 A, 100 W
<b>Overall Accuracy</b>	±5% of preset value
<b>Operating Temperature</b>	-20°C to +70°C
<b>EMC</b>	CE according to EN50081-1, EN50082-1, EN50081-2, EN50082-2
<b>Approvals</b>	Certified by major marine classification societies
<b>Enclosure Material</b>	Polycarbonate. Flame retardant
<b>Weight</b>	0.5 kg
<b>Dimensions</b>	<b>H</b> 70 mm (2.75"); <b>W</b> 100 mm (3.94"); <b>D</b> 115 mm (4.52")
<b>Installation</b>	35 mm DIN rail or 4 mm (3/16") screws