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MU350

Product Description

MU350 is 3-phase voltage relay that combines various protections and starting delay.

Features

• Undervoltage
• Overvoltage
• Delay-on
• 2 voltage-free output contacts
• Voltage and frequency display
• 3-Phase
• Unbalance
• Phase loss
• Phase sequence
• With or without neutral connection
• Phase to phase or phase to neutral monitoring
• Programmable relay outputs
• ANSI Code : 27, 47, 59, 60

Technical Data

SETTING RANGES

Undervoltage	: Off, 1% to 25%
Time delay for undervoltage	: 0.1s to 30s
Overvoltage	: Off, 1% to 20%
Time delay for overvoltage	: 0.1s to 30s
Start time delay	: 0s to 999s
Unbalance	: Off, 3% to 20%
Time delay for unbalance	: 0.5s to 30s
Phase loss	: Fixed time <0.5s
Phase sequence	: Fixed time <0.5s

AUXILIARY SUPPLY

MU350-415V	: 380 V (-25%) to 415 V (+20%) AC
Supply frequency	: 45 Hz to 65 Hz
Maximum power consumption	: 3VA

MEASURING INPUT

Line to line	: 100 to 415 (+20%) VAC
Line to Neutral	: 58 to 240 (+20%) VAC

OUTPUT CONTACTS

Rated voltage	: 250 V AC
Contact rating	: 5 A
Expected electrical life	: 100,000 operations at rated current
Expected mechanical life	: 5 x 10^6 operations

INDICATORS

Auxiliary supply	: Green indicator
Pickup indicator	: Red indicator
Trip	: 7-segment display and red LED indicators

ACCURACY

Protection thresholds	: ± 3%
Time delay	: 0 to 0.5s, ± 15% with minimum 40ms : 0.6s and above, < ± 3%
Measurements	: ± 3%

ENVIRONMENTAL CONDITIONS

Temperature	: -10°C to 55°C
Humidity	: 5% to 95%, non-condensing

MECHANICAL

Mounting	: Panel mounting
Dimension (mm)	: 96(w) x 96(h) x 90(d)
Approximate weight	: 0.31 kg

Typical Application Diagrams

L-L 100–415V AC, L-N 58–240V AC

Case Dimensions

96 mm

96 mm

Front

90 mm

70 mm

Side

91.0 ± 0.5 mm

91.0 ± 0.5 mm

Panel Cutout
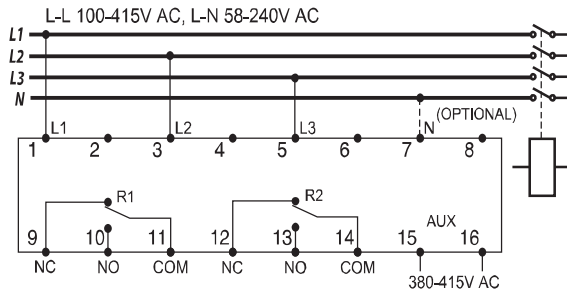
Ordering Information

MODEL	DESCRIPTION
MU350-415V	3-Phase, auxiliary voltage 380 ~ 415 V AC, 45-65 Hz
MU350-240V	3-Phase, auxiliary voltage 220 ~ 240 V AC, 45-65 Hz