NGRM-ENC SERIES

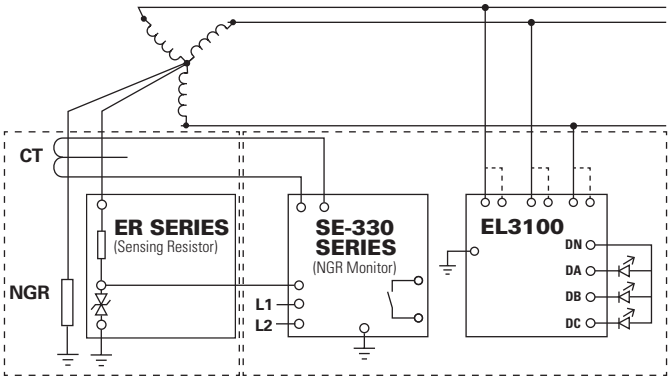
NGRM-ENC



Description

The NGRM-ENC Enclosed Neutral-Grounding-Resistor (NGR) Monitor series is a Type 4X enclosure housing a Littelfuse Startco SE-325 or SE-330 Neutral-Grounding-Resistor Monitor and optional accessories that include a 480/600-V control power transformer (CPT), faulted-phase indication (FPI; implemented with an EL3100 Ground-Fault & Phase-Voltage Indicator), earth-leakage panel meter, pulse-enable control, and mounting options. Appropriate fusing is included and field wiring is to terminal blocks.

Simplified Circuit Diagram



NGR Assembly
(ordered separately)

NGRM-ENC
(SE-330 with voltage indication shown)

Options



SE-325 Neutral-Grounding-Resistor Monitor
Measures current and voltage in a transformer or generator neutral-to-ground connection and continuity of the neutral-grounding resistor.



SE-330 Neutral-Grounding-Resistor Monitor
Advanced ground-fault and neutral-grounding resistor monitoring relay that measures neutral current, neutral-to-ground voltage, and neutral-to-ground resistance.



EL3100 Ground-Fault & Phase-Voltage Indicator
Three panel-mounted LEDs indicate the ground-faulted phase.



Panel Meter
Panel-mounted meter displays earth leakage current as a percentage of the ground-fault-CT-primary rating.



RK-332/RK-302 Remote Indication and Reset
Panel-mounted remote indication and reset assemblies are included with SE-325 and surface-mounted SE-330 configurations.

Ordering Information

The following options are available with a faster shipping time:

ORDERING NUMBER	PROTECTION RELAY OPTION	NGR MONITOR MOUNTING OPTION	AMMETER & PULSE CONTROL OPTION	COMMS	CONTROL-POWER TRANSFORMER OPTION
NGRM-ENC-000-01	SE-325	Surface mounted	None	None	CPT
NGRM-ENC-200-01	SE-330 (K4=NO)	Surface mounted	None	None	CPT
NGRM-ENC-201-01	SE-330 (K4=NO)	Panel mounted	None	None	CPT
NGRM-ENC-201-11	SE-330 (K4=NO)	Panel mounted	Ammeter	None	CPT
NGRM-ENC-230-01	SE-330 (K4=NO)	Surface mounted	None	Ethernet/2 RJ45 ports	CPT
NGRM-ENC-231-01	SE-330 (K4=NO)	Panel mounted	None	Ethernet/2 RJ45 ports	CPT

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Ordering Information

	PROTECTION RELAY OPTION	NETWORK COMMUNICATIONS OPTION	NGR MONITOR MOUNTING OPTION		AMMETER & PULSE CONTROL OPTION	CONTROL-POWER TRANSFORMER OPTION
NGRM-ENC-	X	X	X	–	X	X
	0=SE-325 1=SE-325 & voltage indication[1] 2=SE-330 (N.O. K4) 3=SE-330 (N.O. K4) & voltage indication[1] 4=SE-330 (N.C. K4) 5=SE-330 (N.C. K4) & voltage indication[1] 6=SE-330HV (N.O. K4) 7=SE-330HV (N.O. K4) & voltage indication[1] 8=SE-330HV (N.C. K4) 9=SE-330HV (N.C. K4) & voltage indication[1]	0=No network communications 1=DeviceNet[2] 3=Ethernet, dual RJ45[2] 4=Ethernet, 1 RJ45 & 1 fiber[2] 5=Ethernet, dual fiber[2] 6=IEC 61850, dual RJ45[2] 7=IEC 61850, 1 RJ45 & 1 fiber[2] 8=IEC 61850, dual fiber[2]	0=Surface-mounted NGR monitor[4] 1=Panel-mounted NGR monitor[5]		0=No ammeter 1=Earth-leakage panel meter[2] 2=Earth-leakage panel meter & pulse-enable switch[3]	0=No CPT 1=480/600-V CPT[1]

Note (1) - Includes fuses, (2) - SE-330 models only, (3) - SE-330 models only, excluding SE-330HV models, (4) - Includes panel-mounted indication & reset, and USB connector for SE-330 models, (5) - SE-330 models only; includes IP65 hinged transparent cover

Specifications

Enclosure Polyester, Lockable. SE-330 panel-mount options are rated to IP65. All other options are rated to Type 4X.

Dimensions
H 454 mm (17.9")
W 406 mm (16")
D 264 mm (10.4")
Clearance required to open SE-IP65CVR-G 112 mm (4.4")

Approvals cCSAus

Warranty 1 year

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