

TYPE GN3 & GN3V THREE-PHASE AUTOMATIC LINE SECTIONALIZER

EQUIPMENT SPECIFICATIONS: Types GN & GN3V self-contained hydraulically controlled three-phase automatic line sectionalizer.

ELECTRICAL RATINGS

	<u>GN3</u>	<u>GN3V</u>
Maximum Design Voltage, kV	15.5	27.0
Nominal Operating Voltage, kV	14.4	24.9
Impulse Withstand 1.2 x 50 Microsecond Surge (BIL), Crest	110	125
60 Hertz Withstand, kV		
Dry One Minute	50	60
Wet Ten Seconds	45	50
Radio Influence Voltage kV @ 100 Microvolts max.		
Max. Continuous Current, Amps	200	200
Max. Interrupting Current		
RMS Symmetrical Amps	440	440
X/R or P.F. at Max. Current, %	70	70
Short Time Current Ratings		
Momentary RMS Asymmetric Amps	9000	9000
Close and Latch RMS Asymmetric Amps	9000	9000
One Second Current, Amps	5700	5700
Ten Second Current, Amps	2600	2600

OPERATION

The three-phase sectionalizer shall be oil insulated and hydraulically controlled.

The sectionalizer shall have the ability to sense overcurrent, count current interruptions, and open its contacts during the first, second, or third open interval of an auto reclose device on its source side.

Fault sensing shall be accomplished through a series connected actuating coil.

The actuating level shall be 160% of the continuous coil rating. The lowest continuous rating being 5 amps.

FEATURES

The sectionalizer shall be completely self-contained (no external power required).

The sectionalizer shall have provisions for manual opening and closing by a hook stick.

The sectionalizer shall be capable of being manually closed into a faulted line independent of operator speed. This is accomplished by a quick close feature for safe close feature for operator's safety.

The sectionalizer shall have a load break rating of 440 amps RMS symmetrical.

The sectionalizer shall have as an option a quick close feature for safe closing even on a faulted line.

The sectionalizer shall have a quick reset feature which resets the sectionalizer one count after opening.

The sectionalizer shall be capable of electrical and manual operation under severe icing conditions.

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