

S125NJ3100

Terasaki TemBreak 2 MCCB 125 Frame 36kA 3P 100A Thermal Magnetic



Component type	Power switching circuit breaker
Range	TemBreak 2
Model	N/A
Product status	Phased Out

Superseded range of Terasaki MCCBs.

ELECTRICAL

Rated current I_n	100 A
Number of poles	3
Max. rated operation voltage U_e AC	690 V
Rated ultimate short-circuit breaking capacity I_{cu} at 415 V, 50 Hz	36 kA
Rated service short-circuit breaking capacity I_{cs} at 400 V, 50 Hz	36 kA
Type of protection trip unit	Thermal/magnetic release
Trip curve	Adj. thermal, adj. magnetic
Frame size rating	125 A
Long time overload protection adjustment range	63-100 A
Instantaneous protection adjustment range	600-1200 A
Rated frequency	50-60 Hz
Rated insulation voltage U_i	800 V
Suitable for isolation	Yes
Rated short circuit breaking capacity, I_{cu} 690V AC	6 kA
Rated short circuit breaking capacity, I_{cs} 690V AC	6 kA
Rated impulse withstand voltage U_{imp}	8 kV
Reverse connection of supply possible	Yes
Electrical life at U_n, I_n (service cycles)	30000 cycles

MECHANICAL

Mechanical life (service cycles)	30000 cycles
Max. vibration acceleration	19 m/s ²
Max. vibration frequency, operational	16.7 Hz
Max. vibration duration	12 min

DIMENSIONS

Height	155 mm
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Magnetic



MOULDED CASE CIRCUIT BREAKERS



DIMENSIONS

Width	90 mm
Pole connection pitch	30 mm
Built-in depth	68 mm
Depth (toggle included)	86 mm
Weight	1.1 kg

ENVIRONMENT

Pollution degree	3
Rated surrounding temperature without derating	50 °C
Maximum operating temperature	70 °C
Storage temperature	-10...70 °C
Allowable relative humidity	0-85 %
Max. altitude before derating	2000 m