

140GM5F4D63

Allen-Bradley 140G MCCB M Frame 50kA 4P 630A Adjustable Thermal Magnetic



Allen-Bradley



Component type	Power switching circuit breaker
Range	Moulded Case Circuit Breaker
Model	N/A
Product status	Existing

The Allen Bradley motor protection circuit breakers offer a reliable solution with both short-circuit and overload protection for individual motor loads with high interrupt ratings for 2 and 3 pole devices. Ideal for motor starting and motor protection applications. Connecting modules are available and have been combination short-circuit tested with the Allen Bradley 100-E contactors.

Rated current I_n	630 A
Number of poles	4
Max. rated operation voltage U_e AC	690 V
Rated ultimate short-circuit breaking capacity I_{cu} at 415 V, 50 Hz	50 kA
Type of protection trip unit	Thermal/magnetic release
Trip curve	Adj. thermal, adj. magnetic
Frame size rating	800 A
Long time overload protection adjustment range	441-630 A
Instantaneous protection adjustment range	3150-6300 A
Rated frequency	50-60 Hz
Rated insulation voltage U_i	1000 V
Suitable for isolation	Yes
Rated short circuit breaking capacity, I_{cu} 690V AC	22 kA
Rated short circuit breaking capacity, I_{cs} 690V AC	16.5 kA
Rated impulse withstand voltage U_{imp}	8 kV
Reverse connection of supply possible	Yes
Electrical life at U_n , I_n (service cycles)	7000 cycles
Short time withstand current I_{cw} , 1 sec	10 kA
Power loss	122.4 W

ELECTRICAL

MECHANICAL

DIMENSIONS

Mechanical life (service cycles)	20000 cycles
Height	268 mm
Width	280 mm
Pole connection pitch	70 mm
Built-in depth	103.5 mm

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DIMENSIONS	Depth (toggle included)	159 mm
	Weight	15.1 kg
ENVIRONMENT	Rated surrounding temperature without derating	40 °C
	Maximum operating temperature	75 °C
	Storage temperature	-40...80 °C
	Max. altitude before derating	2000 m

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