

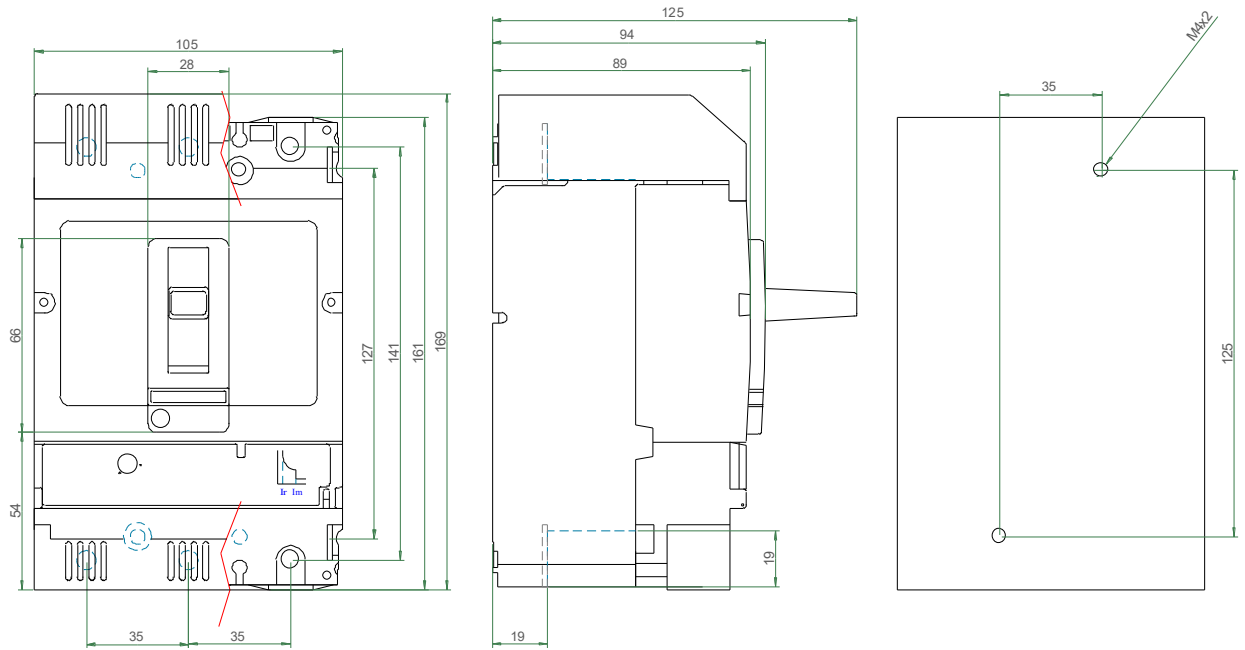
Product Code	Product Range	Issue No.	Issue Date	Issue By
MC100T	MC MCCB	I	11-05-2023	B.S.



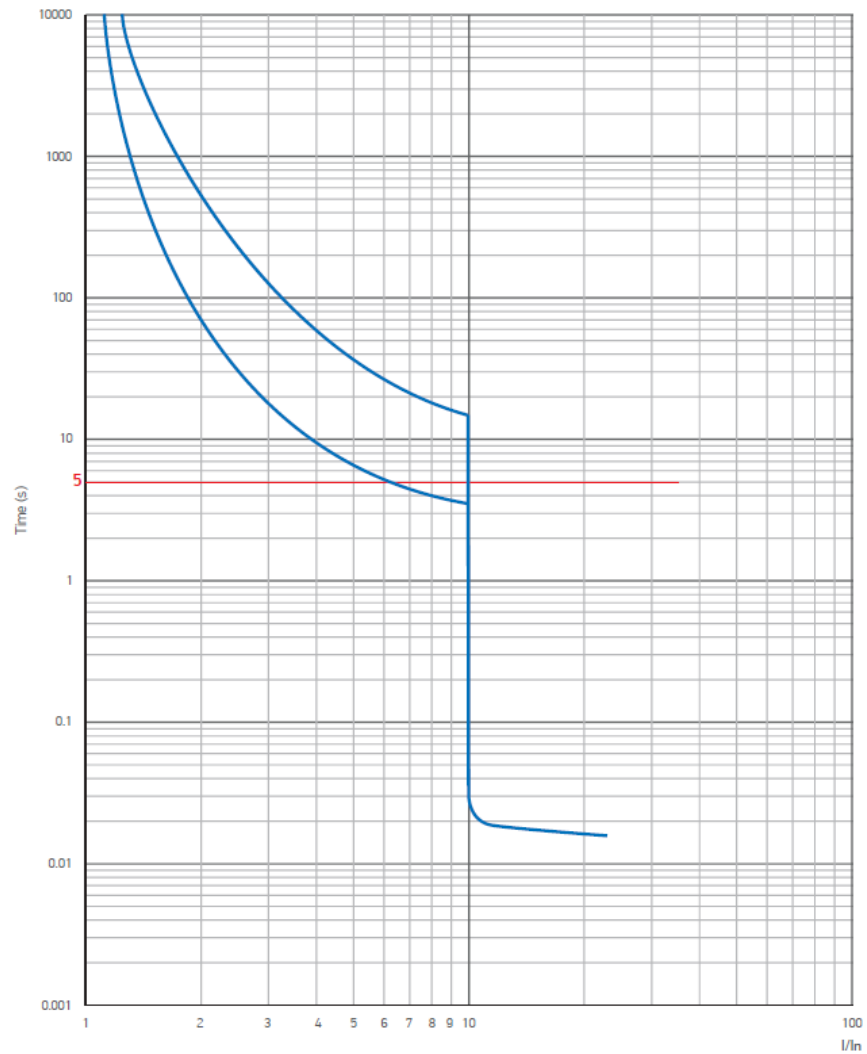
### General Characteristics

Standards	EN/IEC 60947-2
Trip Unit Type	Thermal-magnetic
Current Rating (In) at 40°C	100A
No. of Poles	3P
Rated Operating Voltage (Ue) AC 50-60Hz	400V
Rated Insulation Voltage (Ui) AC 50-60Hz	690V
Rated Impulse Withstand Voltage (Ui) AC 50-60Hz	8kV
Utilization Category	Category A
Rated Ultimate Short-Circuit Capacity (Icu)	36kA at 415V AC 50/60Hz 22kA at 440V AC 50/60Hz 9kA at 500V AC 50/60Hz 8kA at 690V AC 50/60Hz
Rated Service Short-Circuit Capacity (Ics)	36kA at 415V AC 50/60Hz 22kA at 440V AC 50/60Hz 9kA at 500V AC 50/60Hz 8kA at 690V AC 50/60Hz
Long-Time Pickup Adjustment (Thermal)	$I_r: (0.8-1) \times I_n$
Short-Time Pickup Adjustment (Magnetic)	$I_m: 10 \times I_n$
Polarity	Bi-directional
Mechanical Life (ops)	>20000
Electrical Life (ops)	>8000
Terminal Cable Capacity	<120mm <sup>2</sup> (box clamps)
Terminal Tightening Torque	8Nm
Weight	1.8kg
Operating Ambient Temp.	-20°C to +60°C
Pollution Degree	III

## Dimensions



## Time-Current Characteristic



## Maximum Earth Fault Loop Impedance Values @ 218.5V (230V x 0.95 Cmin)

MCCB Part no.	Rated current In (A)	Short time setting Im (A)	Upper limit value. Zs (Ω)	
			0.4s	5s
MC100T	100	1000	0.18	0.18

Short time current +/-20%

### Additional information

Usage	Intended for use by skilled persons or instructed persons.
Electrical	EMC environment: Environment type A.
Installation	Service conditions: Wiring of this product must comply with current IEE regulations. Units are intended for indoor use, dry conditions and <b>NOT</b> where high levels of humidity and temperature are experienced.