Proteus Data Sheet

Product Code	Product Range	Issue No.	Issue Date	Issue By
MC040TE	MC MCCB	B	22-12-2023	B.S.



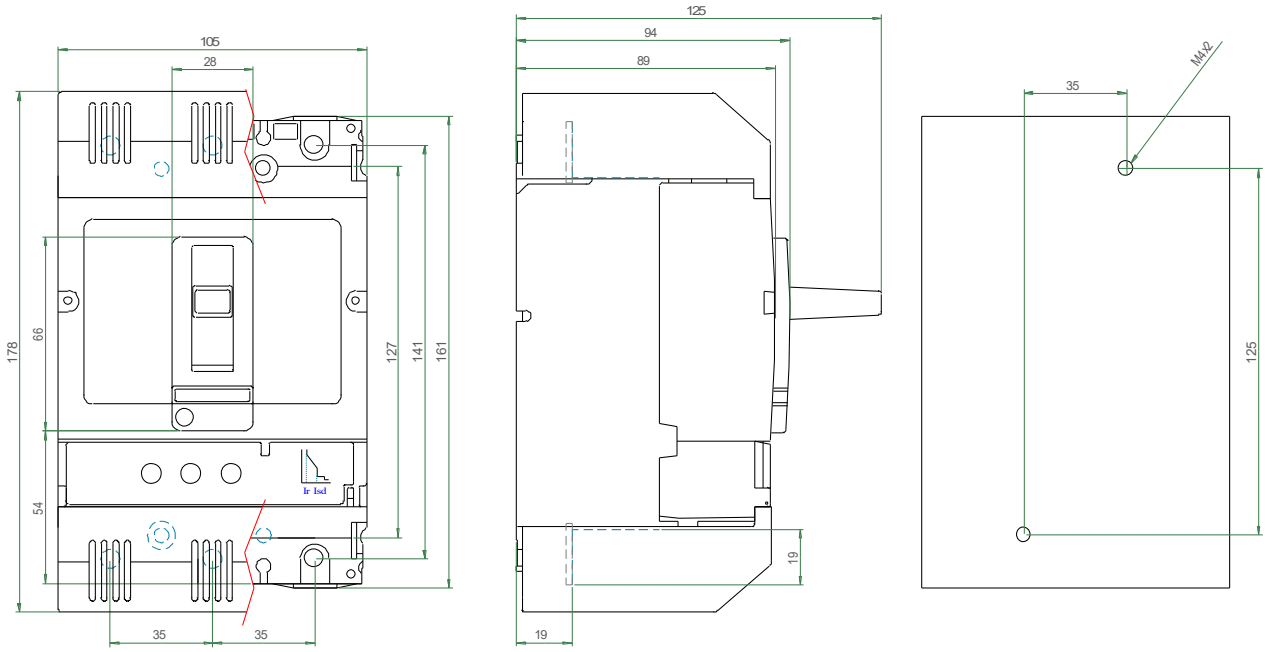
General Characteristics

Standards	EN/IEC 60947-2
Trip Unit Type	Electronic
Current Rating (In) at 40°C	40A
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	Io: (0.4-1) x In Ir: (0.9-1) x Io (fine adjustment)
Short-Time Pickup Adjustment	Isd: (1.5-10) x Ir
Polarity	Bi-directional
Mechanical Life (ops)	>20000
Electrical Life (ops)	>8000
Terminal Cable Capacity	<120mm^2 (box clamps)
Terminal Tightening Torque	8Nm
Weight	1.8kg
Operating Ambient Temp.	-20℃ to +60℃
Pollution Degree	III

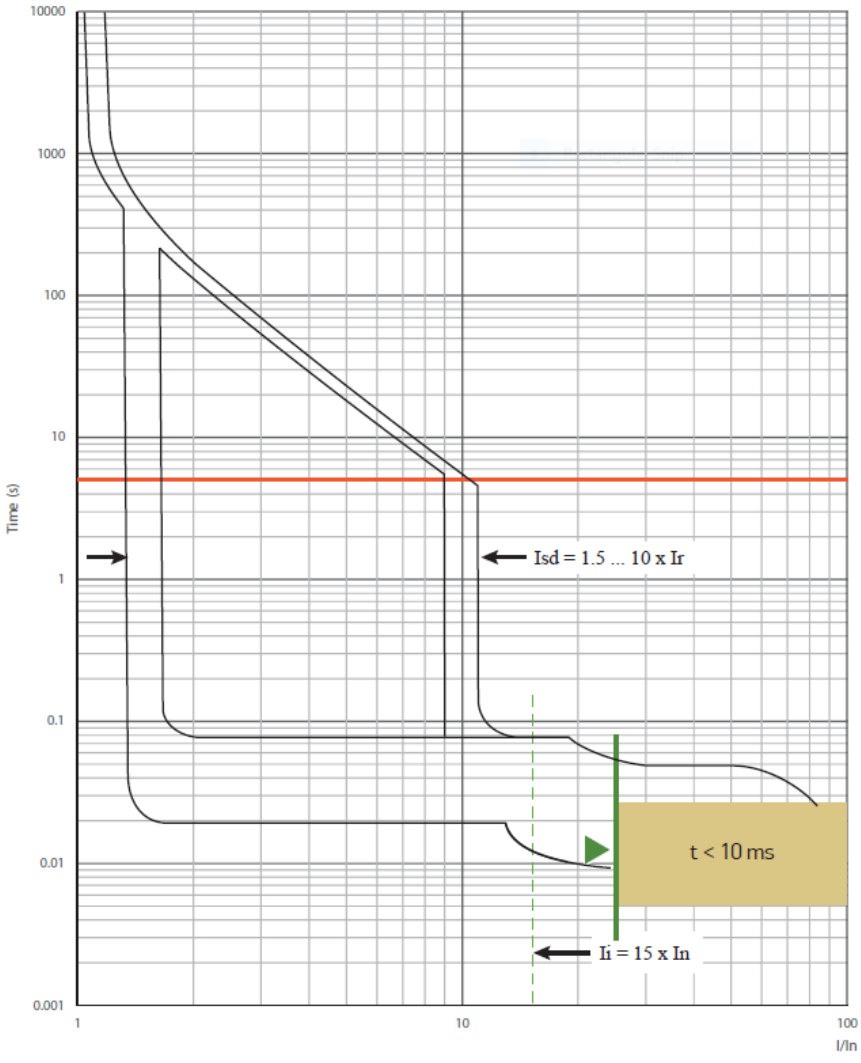
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Dimensions



Time-Current Characteristic



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

MCCB Part no.	Rated current In x Io x Ir (A)	Short time setting Isd (A)	Upper limit value. Zs (Ω)	
			0.4s	5s
MC040TE	40	60-400	0.50	0.52

Short time current +/-10%

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 NOT where high levels of humidity and temperature are experienced.

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