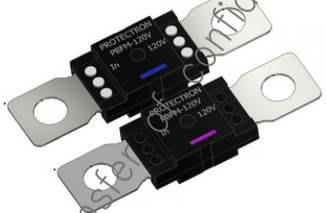
PROTECTRON
ELECTROMECH (P) LTD

DESCRIPTION : MEGA BOLT DOWN FUSE, 120V

PART NO: PBFM-120V-In
(REFER TABLE)

APPROVALS:

RoHS



MATERIAL AND FINISH

TOP HOUSING	: PPA, 30% GLASS FILLED UL94-V0
BOTTOM HOUSING	: PPA, 30% GLASS FILLED UL94-V0
STRIP	: COPPER, Sn PLATED/ PRE- Sn PLATED

ELECTRICAL DATA

VOLTAGE RATING	: 120V DC
INTERRUPTING RATING	: 2500A @ 120V DC

REFERENCE STANDARD	: ISO 20934

ENVIRONMENTA DATA

OPERATING TEMPERATURE	: -40°C to +120°C

PACKING DETAILS	: TRAY PACKING (70No's/TRAY)

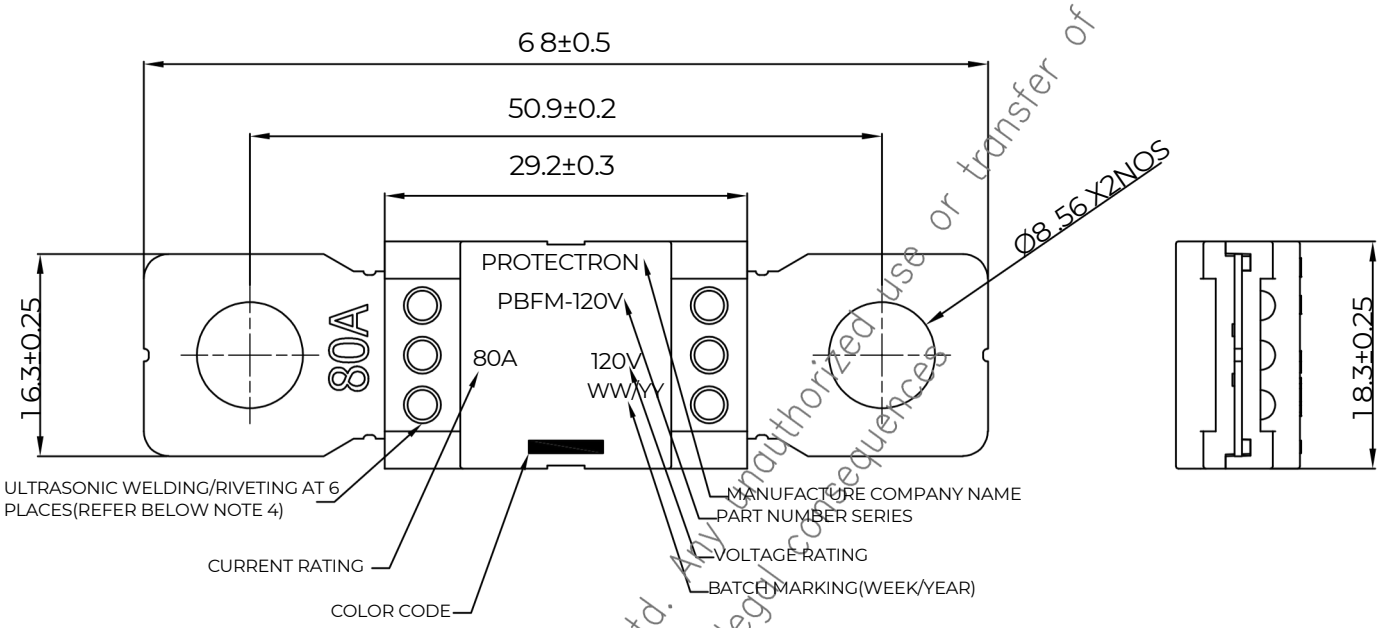
MOUNTING TORQUE M8	: 20Nm ± 1Nm (TO BE TIGHTENED/MOUNTED WITH DIGITAL TORQUE-WRENCH)

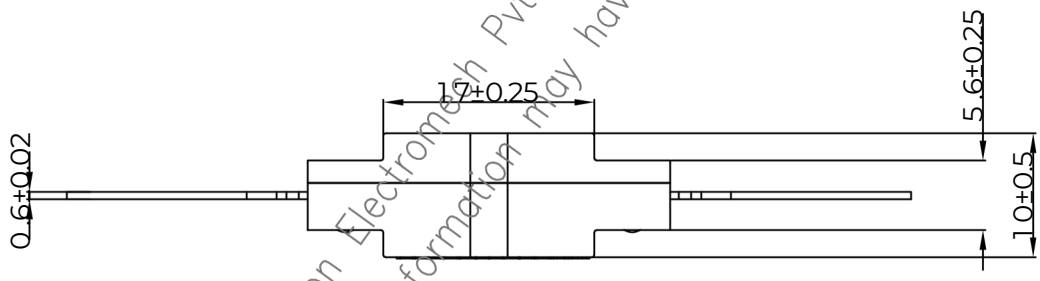
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NOTE:
1.LASER MARKING WILL BE ON ONE SIDE OF THE HOUSING.
2.MARKING SHOWN IS TYPICAL, THE POSITION & SIZE OF VARIOUS MARKING ARE SUBJECT TO CHANGE AT THE MANUFACTURE'S DISCRETION.
3.In - NOMINAL CURRENT RATING.
4. 60A–200A: ULTRASONIC WELDING;
250A–500A: RIVETING.
5. THE FUSE CHARACTERISTICS MAY CHANGE DEPENDING ON THE CONDITIONS OF FUSE(AMBIENT TEMPERATURE, CABLE SIZE/CONNECTION, FUSE HOLDER/MOUNTING, ELECTRICAL CONNECTIONS AND PROSPECTIVE FAULT CURRENT).

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Projection:	Scale: NTS	Sht. Size: A4	Gen. Tol.: ±0.15mm ±2°	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.

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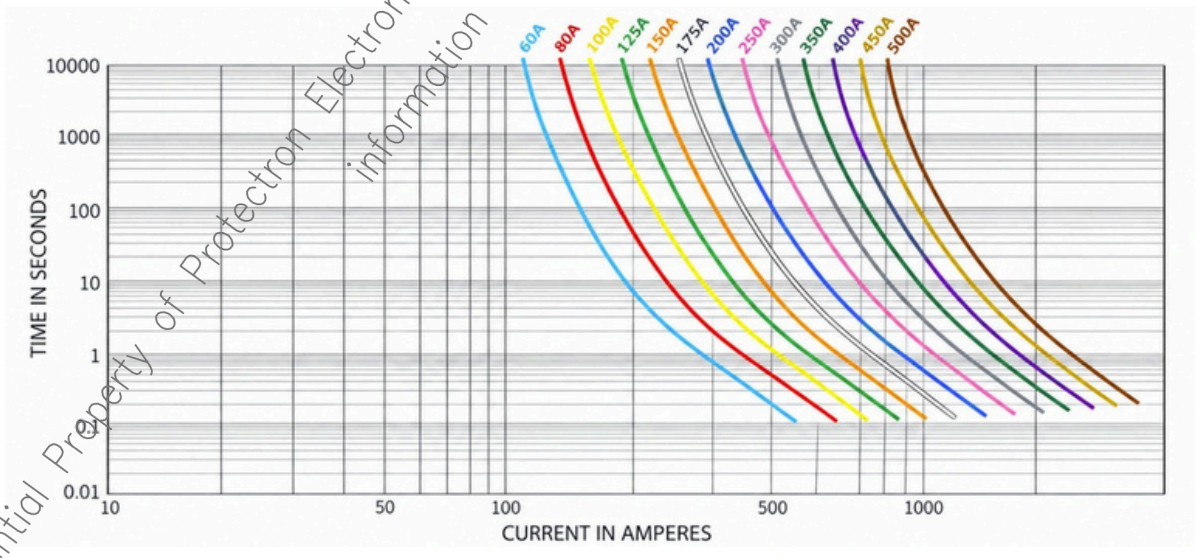
DESCRIPTION : MEGA BOLT DOWN FUSE, 120V

PART NO: PBFM-120V-In
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PRODUCT DETAILS & PART NUMBER

PART NUMBERS	CURRENT RATING(In)	CABLE SIZE AS PER ISO 20934	COLOR CODE MARKING	TYP, COLD RESISTANCE
PBFM-120V-60A	60A	6 mm²	LIGHT BLUE	1.065 mΩ
PBFM-120V-80A	80A	10 mm²	DARK RED	0.735 mΩ
PBFM-120V-100A	100A	10 mm²	YELLOW	0.575 mΩ
PBFM-120V-125A	125A	16 mm²	GREEN	0.445 mΩ
PBFM-120V-150A	150A	25 mm²	ORANGE	0.385 mΩ
PBFM-120V-175A	175A	25 mm²	WHITE	0.345 mΩ
PBFM-120V-200A	200A	35 mm²	BLUE	0.270 mΩ
PBFM-120V-250A	250A	50 mm²	PINK	0.225 mΩ
PBFM-120V-300A	300A	50 mm²	DARK GREY	0.180 mΩ
PBFM-120V-350A	350A	50 mm²	DARK GREEN	0.165 mΩ
PBFM-120V-400A	400A	70 mm²	VOILET	0.175 mΩ
PBFM-120V-450A	450A	70 mm²	LIGHT ORANGE	0.140 mΩ
PBFM-120V-500A	500A	70 mm²	DARK BROWN	0.125 mΩ

TIME-CURRENT CHARACTERISTIC CURVE



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DESCRIPTION : MEGA BOLT DOWN FUSE, 120V

PART NO: PBFM-120V-In
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TIME-CURRENT CHARACTERISTICS[60A-250A]

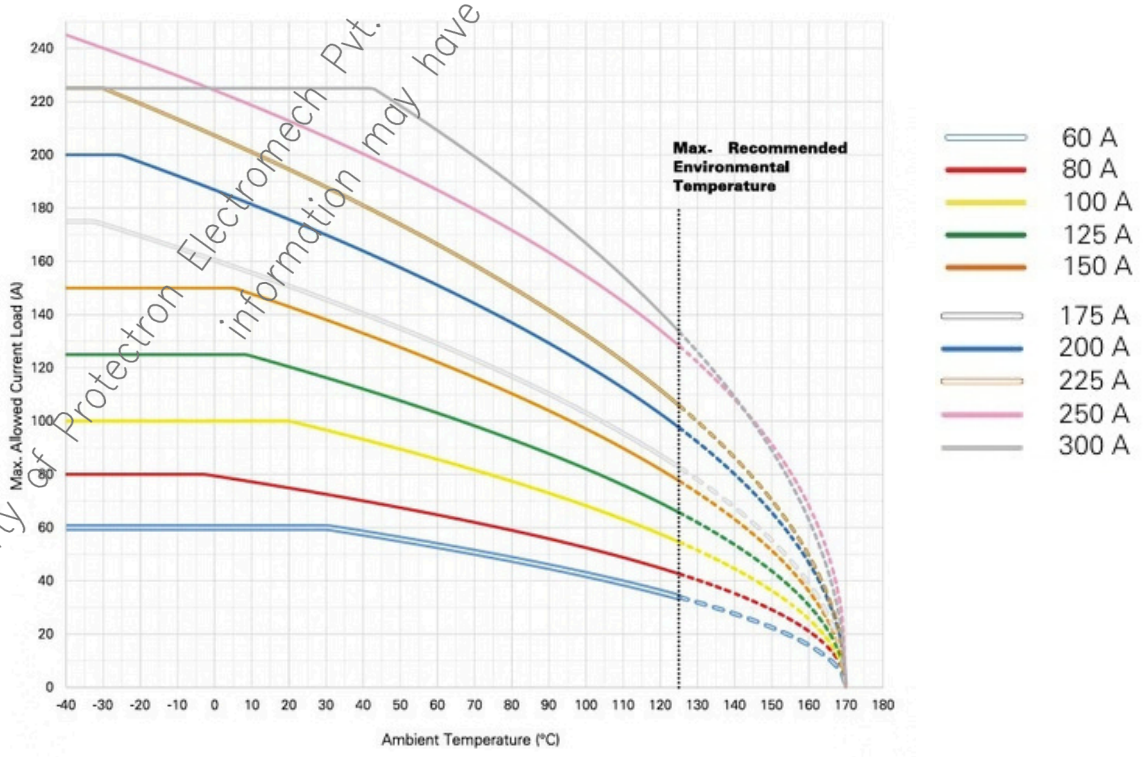
% of Ampere Rating (A)	Operating Time	
	MIN	MAX
100%	4 hrs.	-
135%	120 sec.	1800 sec.
150%	20 sec.	450 sec.
200%	1 sec.	15 sec.
350%	0.3 sec.	5 sec.
600%	0.1 sec.	1 sec.

TIME-CURRENT CHARACTERISTICS[300A-500A]

% of Ampere Rating (A)	Operating Time	
	MIN	MAX
75%	4 hrs.	-
200%	1 sec.	15 sec.
350%	0.5 sec.	5 sec.

TYPICAL DERATING OF FUSE MELTING

Temperature security margin is 20%.



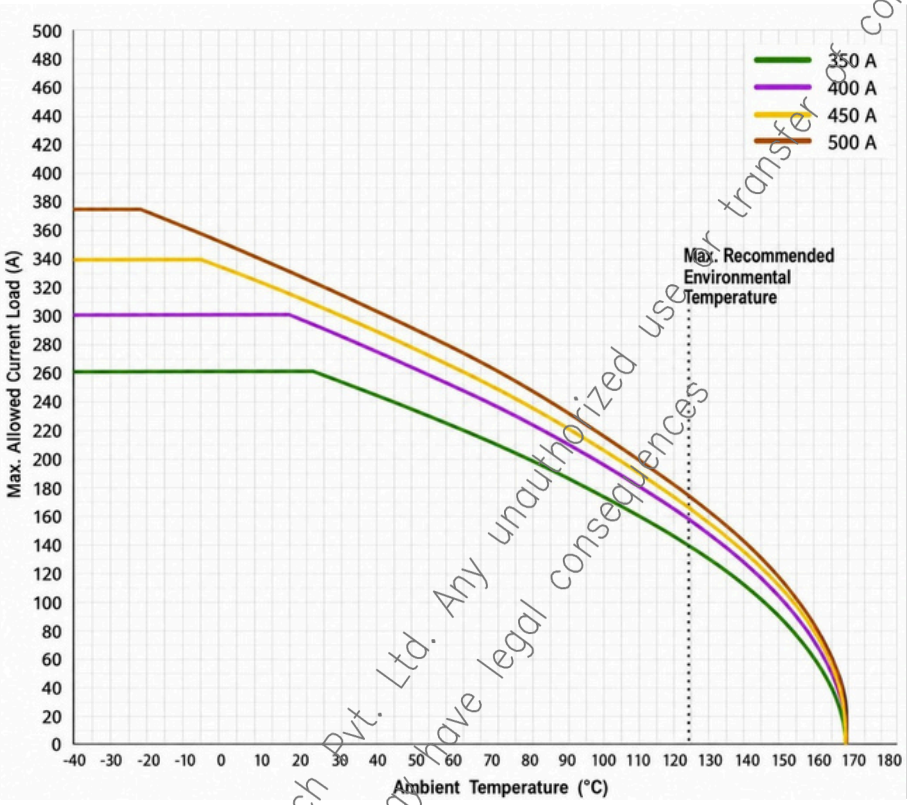
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Projection:	Scale: NTS	Sht. Size: A4	Gen. Tol.: ±0.15mm ±2°	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.

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DESCRIPTION : MEGA BOLT DOWN FUSE, 120V

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NOTE:
1.THE FUSE CHARACTERISTICS MAY CHANGE DEPENDING ON THE CONDITIONS OF FUSE(AMBIENT TEMPERATURE, CABLE SIZE/CONNECTION, FUSE HOLDER/MOUNTING, ELECTRICAL CONNECTIONS AND PROSPECTIVE FAULT CURRENT).

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MOQ- AS SPECIFIED
SPQ- AS SPECIFIED

ORDERING INFORMATION
PBFM-120V-In
(REFER TABLE)

Projection:	Scale: NTS	Sht. Size: A4	Gen. Tol.: ±0.15mm ±2°	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.