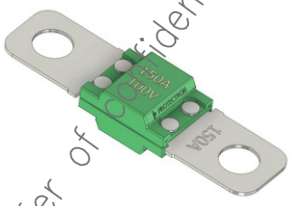
PROTECTRON®
ELECTROMECH (P) LTD

DESCRIPTION : MIDI BOLT DOWN FUSE, 100V, RoHS.	PART NO: PBFT-100V-In (REFER TABLE)

APPROVALS:

RoHS



MATERIAL AND FINISH

TOP & BOTTOM HOUSING : PPA, 30% GLASS FILLED UL94-V0, GREEN COLOR

STRIP : COPPER, Sn PLATED/PRE-Sn PLATED

RIVET : ALUMINUM/CARBON STEEL.

ELECTRICAL DATA

VOLTAGE RATING : 100V DC

INTERRUPTING RATING : 2500A @ 100V DC

REFERENCE STANDARD : ISO 20934/UL 248-1

ENVIRONMENTA DATA

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

MECHANICAL DATA

MOUNTING TORQUE M6 : 10Nm MIN(TO BE TIGHTENED/MOUNTED WITH DIGITAL TORQUE-WRENCH)

PULL STRENGTH : 70N MIN.

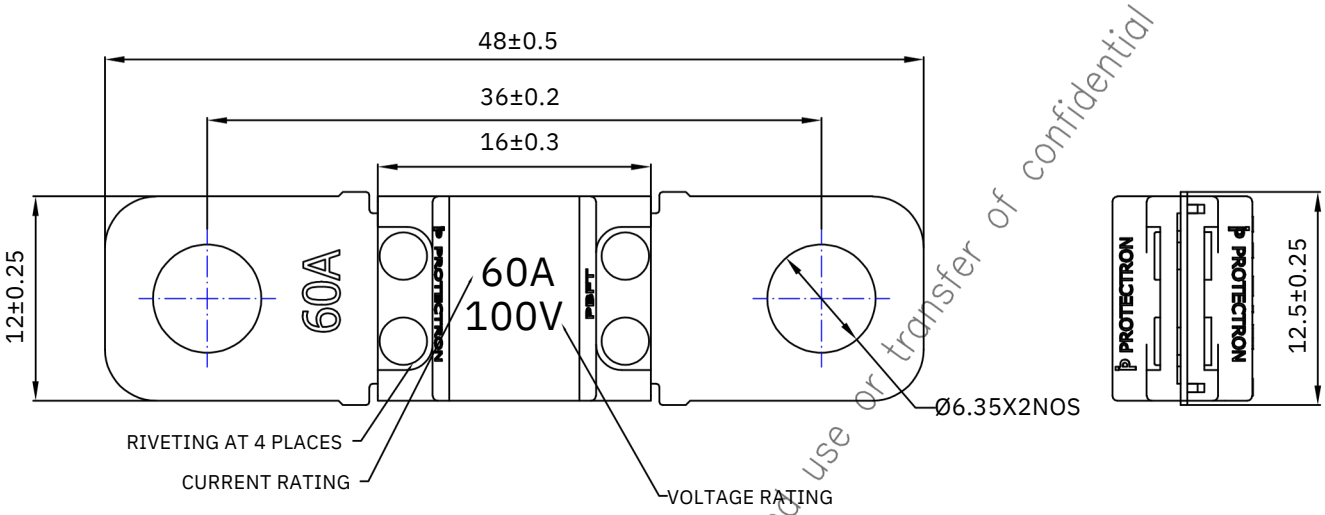
PACKING DETAILS : TRAY PACKING (40No's/TRAY)

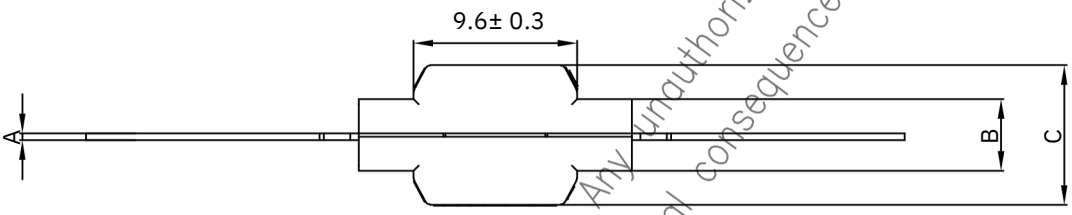
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CURRENT RATING	DIMENSIONS A(±0.02)	DIMENSIONS B(±0.25)	DIMENSIONS C(±0.25)
30A-80A	0.40mm	4mm	8mm
100A-200A	0.60mm	4.2mm	8.2mm

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

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

PROTECTRON ELECTROMECH (P) LTD

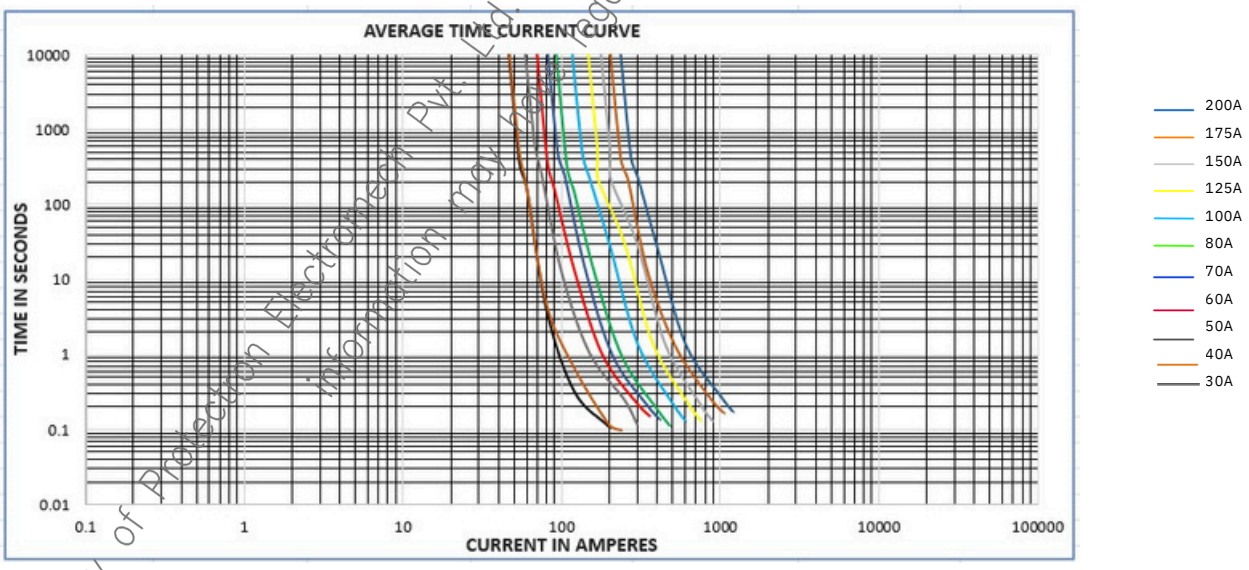
DESCRIPTION : MIDI BOLT DOWN FUSE, 100V, RoHS.

PART NO: PBFT-100V-In
(REFER TABLE)

PRODUCT DETAILS & PART NUMBER

PART NUMBERS	CURRENT RATING(In)	CABLE SIZE AS PER ISO 20934	TYP, COLD RESISTANCE
PBFT-100V-30A	30A	2.5 mm²	1.55 mΩ
PBFT-100V-40A	40A	4 mm²	1.35 mΩ
PBFT-100V-50A	50A	6 mm²	1.0 mΩ
PBFT-100V-60A	60A	6 mm²	0.73 mΩ
PBFT-100V-70A	70A	10 mm²	0.65 mΩ
PBFT-100V-80A	80A	10 mm²	0.57 mΩ
PBFT-100V-100A	100A	10 mm²	0.45 mΩ
PBFT-100V-125A	125A	16 mm²	0.335 mΩ
PBFT-100V-150A	150A	25 mm²	0.275 mΩ
PBFT-100V-175A	175A	25 mm²	0.28 mΩ
PBFT-100V-200A	200A	35 mm²	0.222 mΩ

TIME - CURRENT GRAPH/CURVE



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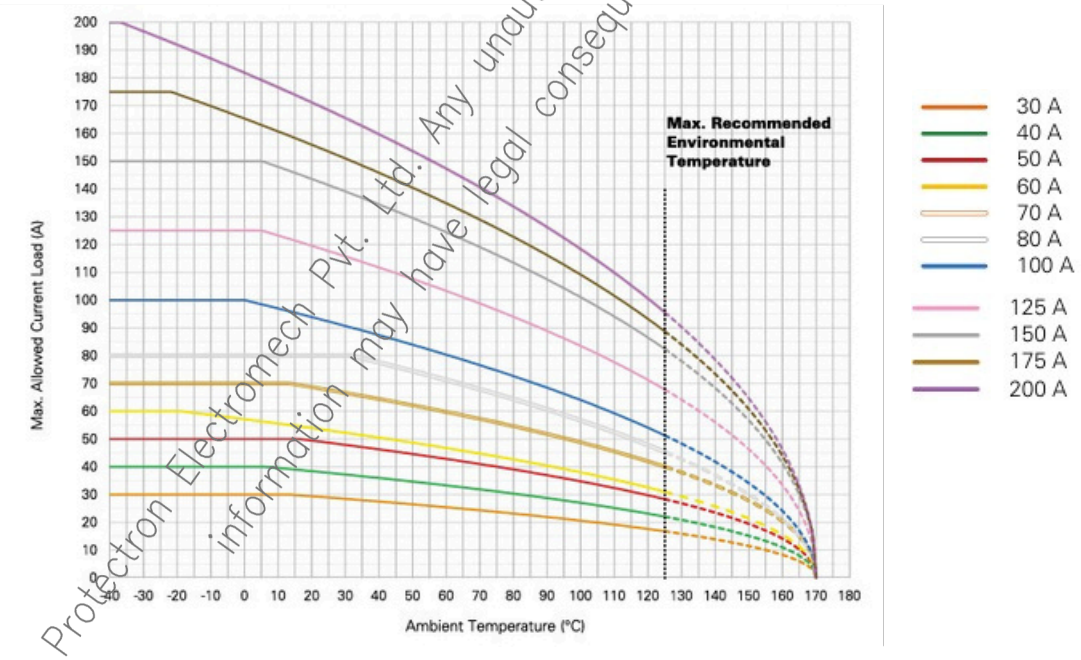
PART NO: PBFT-100V-In
(REFER TABLE)

TIME-CURRENT CHARACTERISTICS[30A-200A]

% of Ampere Rating (A)	Operating Time	
	MIN	MAX
100%	100 hrs.	-
135%	300 sec.	3600 sec.
150%	90 sec.	500 sec.
200%	1 sec.	50 sec.
300%	0.3 sec	4 sec.
500%	0.1 sec	1 sec.
600%	0.07 sec	0.7 sec.

TYPICAL DERATING OF FUSE MELTING

Temperature security margin is 20%.



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

MOQ- AS SPECIFIED
SPQ- AS SPECIFIED

ORDERING INFORMATION
PBFT-100V-In
(REFER TABLE)

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

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