



PROTECTRON[®]
ELECTROMECH (P) LTD

DESCRIPTION : MIDI BOLT DOWN FUSE, 58V, RoHS.

PART NO: PBFT-L-In
(REFER TABLE)

APPROVALS:



MATERIAL AND FINISH

TOP & BOTTOM HOUSING: PPA, 30% GLASS FILLED UL94-V0
STRIP : COPPER, Sn PLATED/PRE-Sn PLATED
RIVET : ALUMINUM/CARBON STEEL.

ELECTRICAL DATA

VOLTAGE RATING : 58V DC
INTERRUPTING RATING : 1000A @ 58V DC

REFERENCE STANDARD : ISO 8820/UL 248-1

ENVIRONMENTAL DATA

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

MECHANICAL DATA

MOUNTING TORQUE M6 : 6Nm MIN(TO BE TIGHTENED/MOUNTED WITH DIGITAL TORQUE-WRENCH)
MOUNTING TORQUE M5 : 4.5Nm MIN(TO BE TIGHTENED/MOUNTED WITH DIGITAL TORQUE-WRENCH)

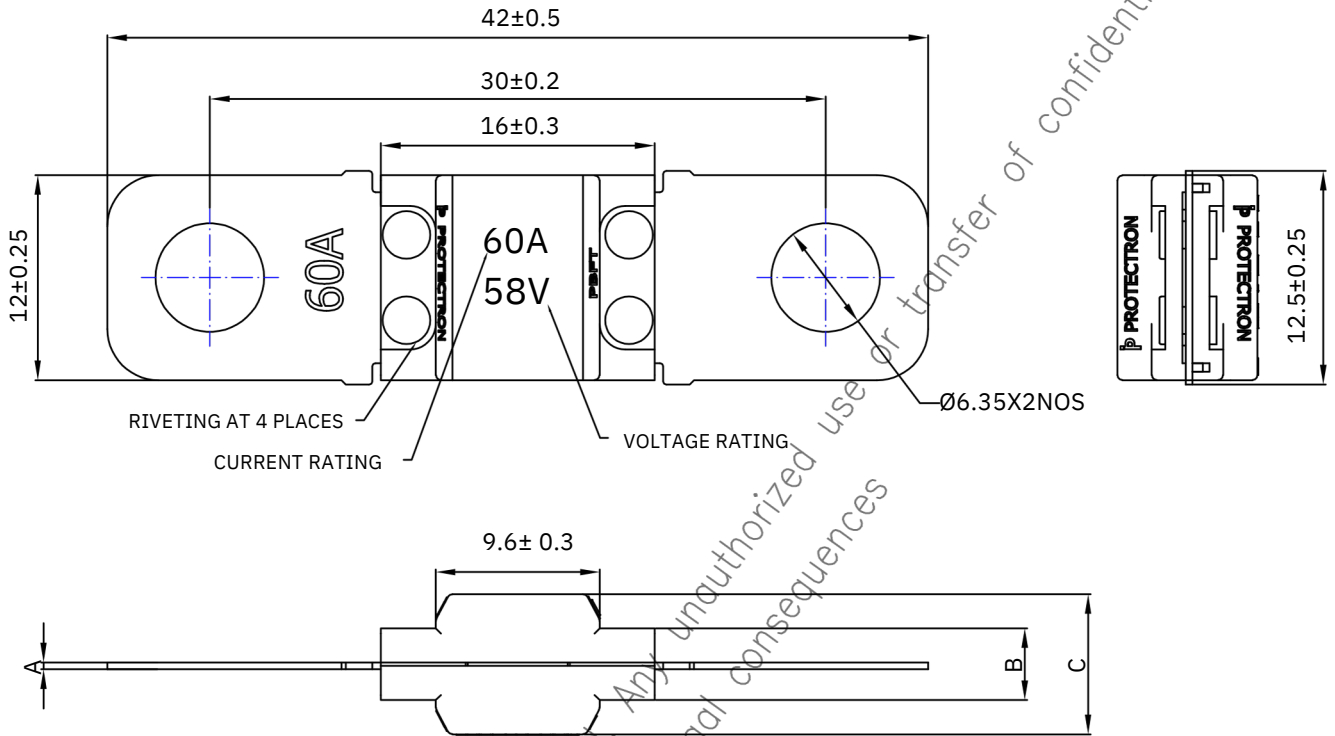
PACKING DETAILS : TRAY PACKING (120No's/TRAY)

FUSE HOLDER DATA

P803B-03 : MIDI BOLT DOWN FUSE HOLDER WITH COVER
P803B-04 : MIDI BOLT DOWN FUSE HOLDER WITH COVER
(PARTIALLY OPEN TYPE - TOP COVER)

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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

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.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.: ± 0.15 mm
 $\pm 2^\circ$

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.

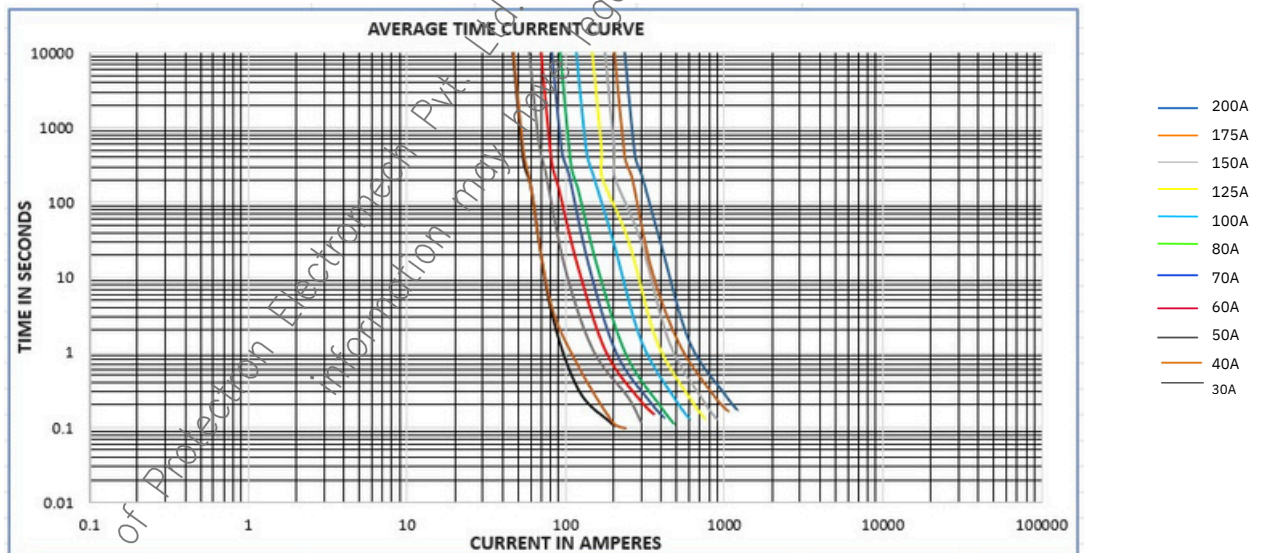
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PART NO: PBFT-L-In
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PRODUCT DETAILS & PART NUMBER

PART NUMBERS	CURRENT RATING(In)	CABLE SIZE	TYP, COLD RES IS TA NCE
PBFT-L-30A	30A	2.5 mm ²	1.55 mΩ
PBFT-L-40A	40A	4 mm ²	1.35 mΩ
PBFT-L-50A	50A	6 mm ²	1.0 mΩ
PBFT-L-60A	60A	6 mm ²	0.73 mΩ
PBFT-L-70A	70A	10 mm ²	0.65 mΩ
PBFT-L-80A	80A	10 mm ²	0.57 mΩ
PBFT-L-100A	100A	10 mm ²	0.45 mΩ
PBFT-L-125A	125A	16 mm ²	0.335 mΩ
PBFT-L-150A	150A	25 mm ²	0.275 mΩ
PBFT-L-175A	175A	25 mm ²	0.28 mΩ
PBFT-L-200A	200A	35 mm ²	0.222 mΩ

TIME - CURRENT GRAPH/CURVE



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±2°

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TIME-CURRENT CHARACTERISTICS[30A-125A]

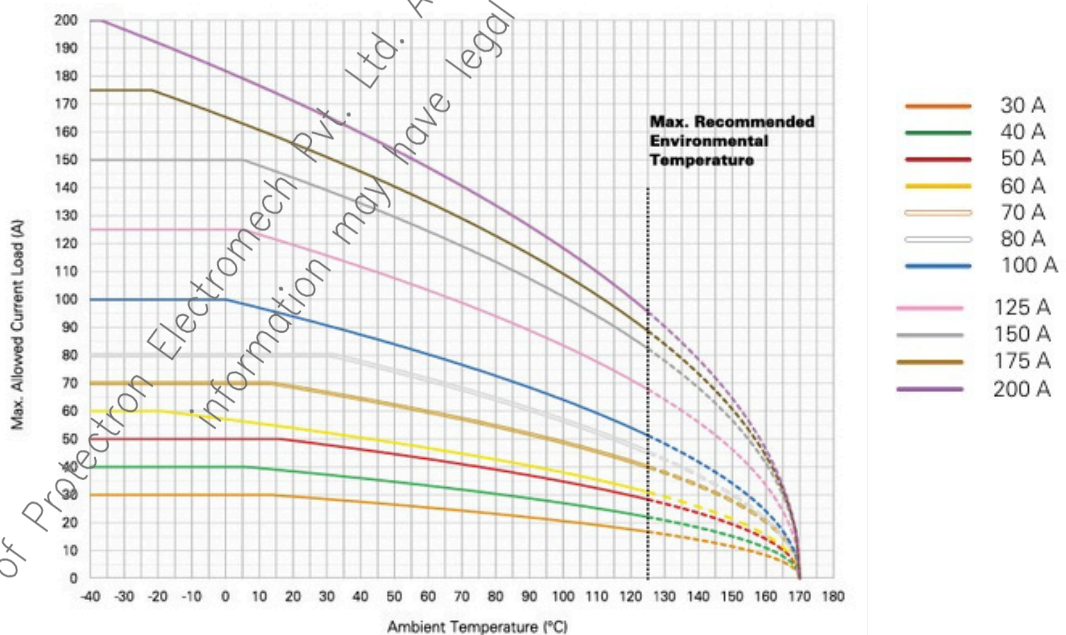
% of Ampere Rating (A)	Operating Time	
	MIN	MAX
100%	100 hrs.	-
110%	4 hrs.	-
150%	90 sec.	3600 sec.
200%	3 sec.	100 sec.
300%	0.3 sec.	3 sec.
500%	0.1 sec.	1 sec.

TIME-CURRENT CHARACTERISTICS[150A-200A]

% of Ampere Rating (A)	Operating Time	
	MIN	MAX
75%	100 hrs.	-
200%	1 sec.	15 sec.
350%	0.3 sec.	5 sec.
500%	0.1 sec.	1 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-L-In
(REFER TABLE)

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Sht. Size: A4

Gen. Tol.: $\pm 0.15\text{mm}$
 $\pm 2^\circ$

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IF UNLESS OTHERWISE SPECIFIED.