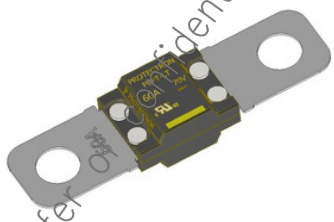
PROTECTRON®
ELECTROMECH (P) LTD

**DESCRIPTION :** MIDI BOLT DOWN FUSE, 70V, RoHS.

**PART NO:** PBFT-LT-In
(REFER TABLE)

## APPROVALS:



## MATERIAL AND FINISH

TOP & BOTTOM HOUSING (30A-80A) : PA66, 25% GLASS FILLED UL94-V0
TOP & BOTTOM HOUSING (100A-200A) : PPA, 30% GLASS FILLED UL94-V0
STRIP : COPPER, Sn PLATED/PRE-Sn PLATED
RIVET : ALUMINUM/CARBON STEEL.

## ELECTRICAL DATA

VOLTAGE RATING : 70V DC
INTERRUPTING RATING : 2500A @ 70V 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)

## FUSE HOLDER DATA

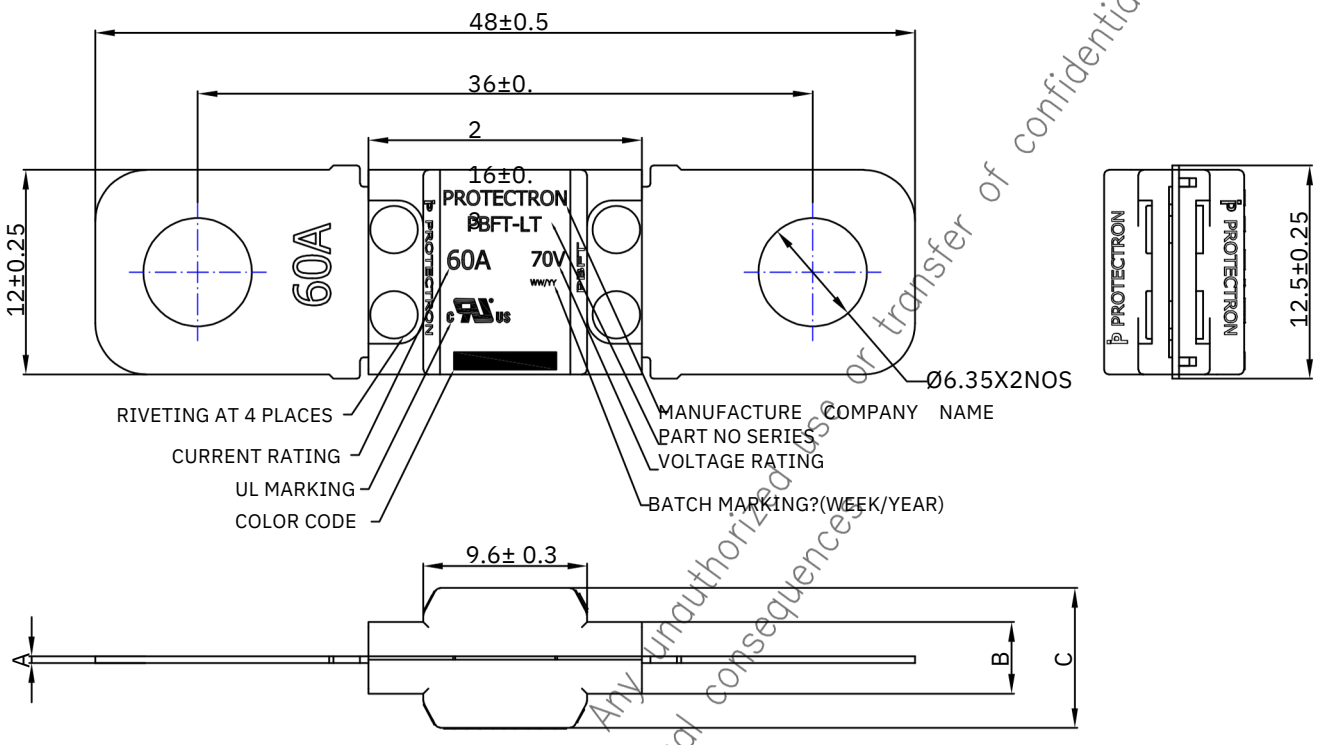
P803L-01 : MIDI BOLT DOWN FUSE HOLDER WITH COVER
P803L-03 : MIDI BOLT DOWN FUSE HOLDER WITH COVER (MOUNTING TYPE)

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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 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.: ±0.15mm ±2° | ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED. |
|---|---|---|---|---|

PROTECTRON ELECTROMECH (P) LTD

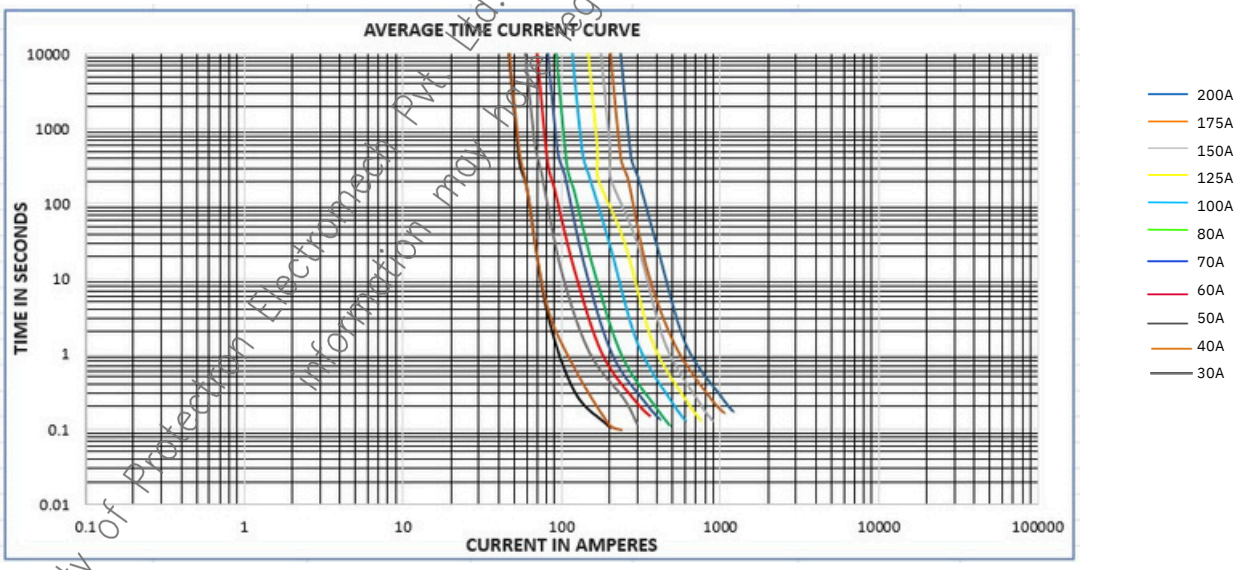
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PART NO: PBFT-LT-In
(REFER TABLE)

## PRODUCT DETAILS & PART NUMBER

| PART NUMBERS | CURRENT RATING(In) | CABLE SIZE AS PER ISO 20934 | COLOR CODE MA RK ING | TYP, COLD R ES IS TA NCE | TYP, VOLTAGE D RO P( mV) | TYP, $I^2T$ ( $A^2SEC$) |
|---|---|---|---|---|---|---|
| PBFT-LT-30A | 30A | 2.5 mm² | ORANGE | 1.55 mΩ | 65 | 2600 |
| PBFT-LT-40A | 40A | 4 mm² | GREEN | 1.35 mΩ | 64 | 4000 |
| PBFT-LT-50A | 50A | 6 mm² | DARK RED | 1.0 mΩ | 63 | 6500 |
| PBFT-LT-60A | 60A | 6 mm² | YELLOW | 0.73 mΩ | 60 | 8000 |
| PBFT-LT-70A | 70A | 10 mm² | BROWN | 0.65 mΩ | 58 | 15000 |
| PBFT-LT-80A | 80A | 10 mm² | WHITE | 0.57 mΩ | 56 | 24000 |
| PBFT-LT-100A | 100A | 10 mm² | BLUE | 0.45 mΩ | 54 | 36000 |
| PBFT-LT-125A | 125A | 16 mm² | PINK | 0.335 mΩ | 54 | 60000 |
| PBFT-LT-150A | 150A | 25 mm² | LIGHT GREY | 0.275 mΩ | 48 | 145000 |
| PBFT-LT-175A | 175A | 25 mm² | TAN | 0.28 mΩ | 52 | 158100 |
| PBFT-LT-200A | 200A | 35 mm² | VIOLET | 0.222 mΩ | 42 | 216000 |

## TIME - CURRENT GRAPH/CURVE




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|---|---|---|---|---|

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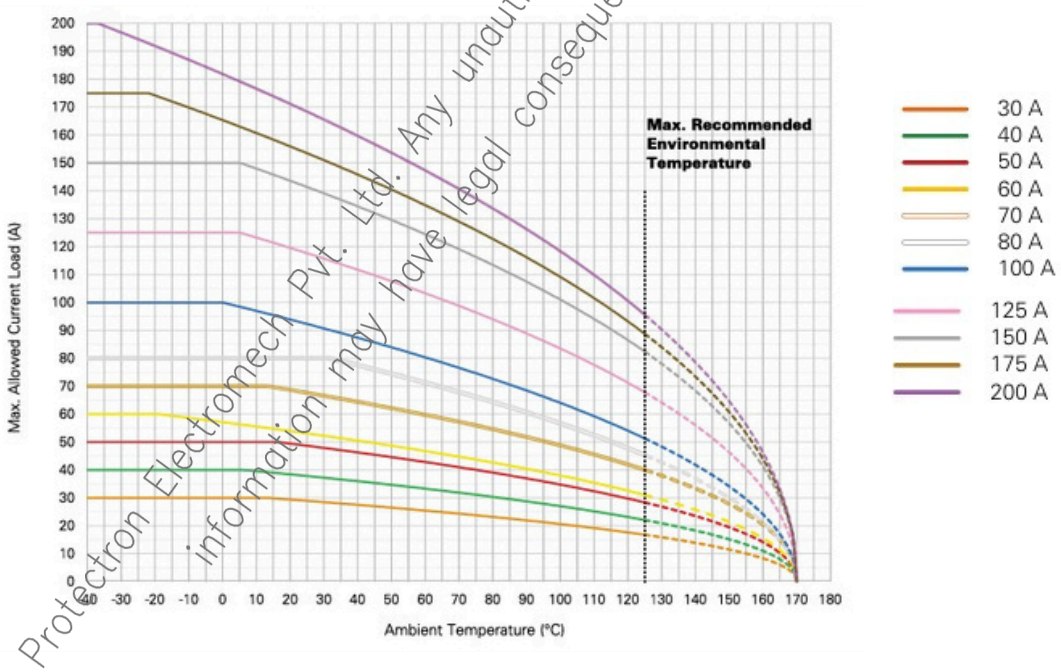
PART NO: PBFT-LT-In
(REFER TABLE)

## 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-LT-In
(REFER TABLE)

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