



PROTECTRON ELECTROMECH (P) LTD

DESCRIPTION : MICRO BLADE FUSE- STANDARD PLUG IN TYPE

PART NO: PTF 500 In
(REFER TABLE)



ELECTRICAL PARAMETERS:

RATED VOLTAGE : DC 32V
INTERRUPTING RATING : 1000A @ 32V DC
COMPONENT LEVEL TEMPERATURE RANGE : -40°C TO +105°C
SYSTEM LEVEL TEMPERATURE RANGE : -40°C TO +85°C
105°C AND 85°C ARE TYPICAL SYSTEM LEVEL TEMPERATURE REQUIREMENTS

MATERIAL AND FINISH

BODY : NYLON (PA66)
ELEMENT : ZINC MATERIAL, TIN PLATED
DESIGN COMPLIES WITH : SAE 2741, ISO 8820-3

PACKING DETAILS:

STANDARD : 500 No's BULK PACKING
CUSTOMIZED PACKING IS AVAILABLE BASED ON REQUEST





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ORDERING INFORMATION

PTF 500 I_n

I_n = NOMINAL CURRENT(5A TO 30A)

PART NUMBERS	CURRENT RATING (A)	HOUSING MATERIAL COLOR	TYPICAL VOLTAGE DROP (mV)	TYPICAL COLD RESISTANCE (mΩ)	I ² t VALUE(A ² s) (TYPICAL)
PTF 500 5A	5A	TAN 	116	17.4	16
PTF 500 7.5A	7.5A	BROWN 	106	10.8	45
PTF 500 10A	10A	RED 	102	7.7	83
PTF 500 15A	15A	BLUE 	94	4.9	177
PTF 500 20A	20A	YELLOW 	91	3.5	381
PTF 500 25A	25A	NATURAL 	90	2.6	556
PTF 500 30A	30A	GREEN 	88	2.1	986

MARKINGS ON THE INSULATOR SHOULD BE AS FOLLOWS:-

'AMPERAGE', 'VOLTAGE RATING' AND 'PROTECTRON' (MANUFACTURER)

ELECTRICAL CHARACTERISTICS:-

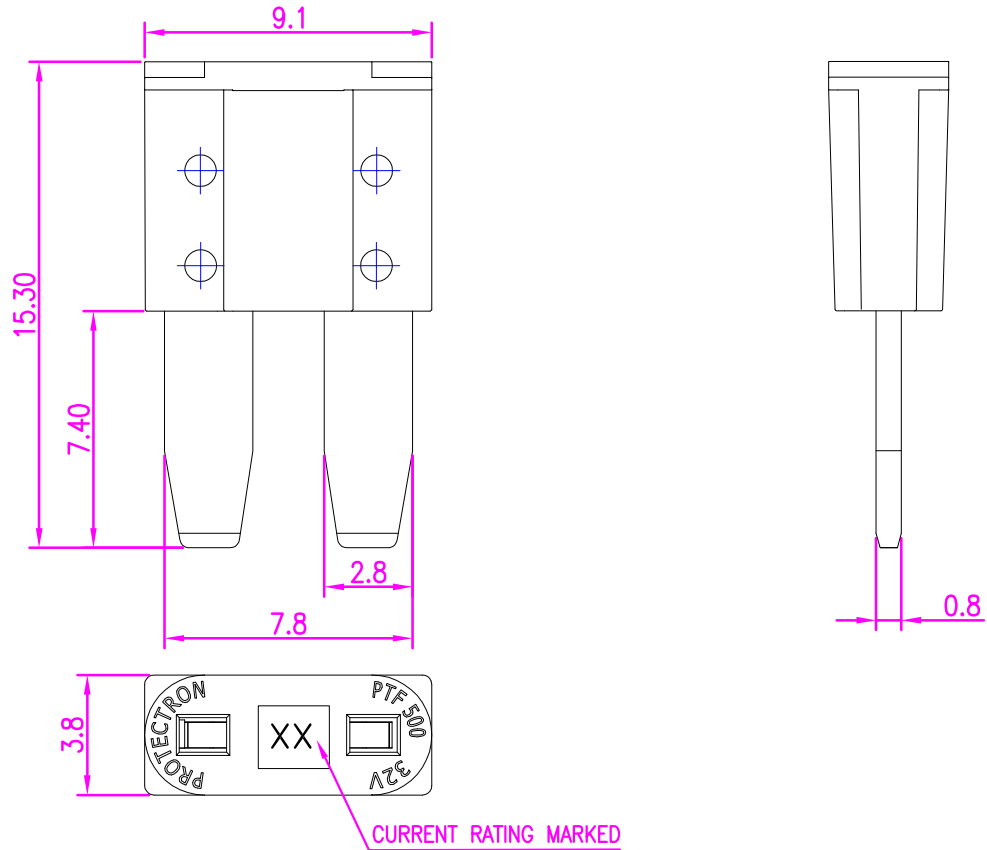
% OF AMPERE RATING	AMPERE RATING	OPENING TIME
110%	5-30Amp	100 Hours Min.
135%	5-30Amp	0.75sec. Min.; 120sec. Max.
160%	5-30Amp	0.30sec. Min.; 50sec. Max.
200%	5-30Amp	0.15sec. Min.; 5sec. Max.
350%	5-30Amp	0.04sec. Min.; 0.5sec. Max.
600%	5-30Amp	0.02sec. Min; 0.1sec. Max.



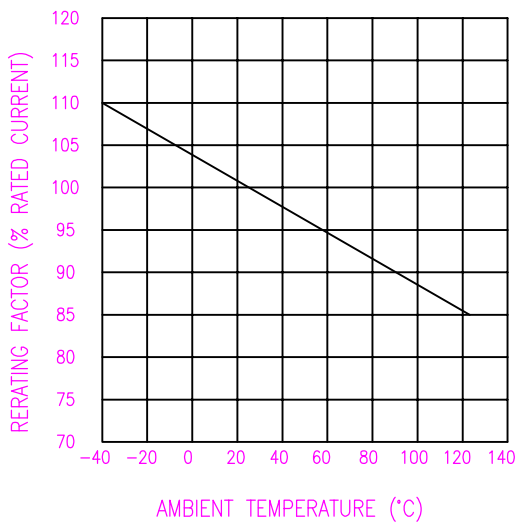
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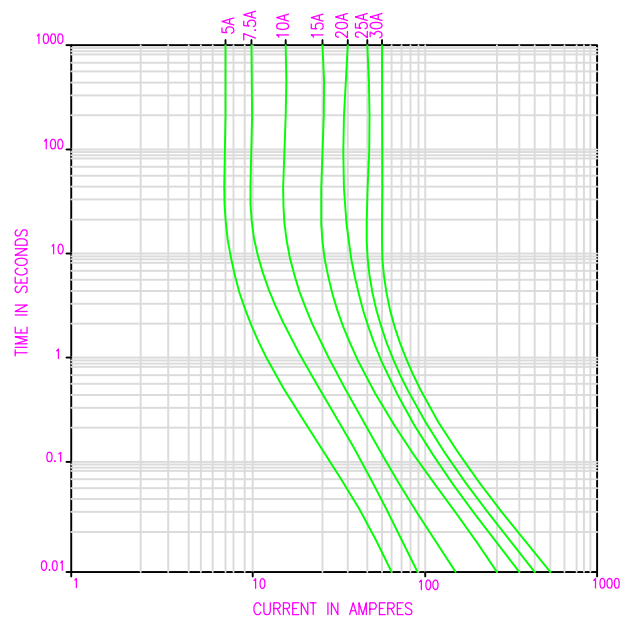
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TEMPERATURE DERATING CURVE



TIME-CURRENT CHARACTERISTIC CURVES



A	ORIGINAL		CHETAN	21.09.2018		
REV.	DESCRIPTION			DRN. BY	DATE	APP'D BY
	Projection: 	Scale: NTS	Sht. Size: A4	Gen. Tol.: ±0.25mm ±2°	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.	

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