



# PROTECTRON ELECTROMECH (P) LTD

DESCRIPTION : MIDI BLADE FUSE - STANDARD PLUG IN TYPE

PART NO: PTF 200 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 : POLY CARBONATE / NYLON  
ELEMENT : ZINC MATERIAL, TIN PLATED  
COMPLIES WITH : SAE J1284, ISO 8820-3  
UL AND CSA CERTIFIED : FILE NO.E228912

## PACKING DETAILS:

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





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





## ORDERING INFORMATION

PTF 200 In-N

In = NOMINAL CURRENT(1A TO 40A)

In-N = INSULATOR NYLON MATERIAL STANDARD

NOTE : FOR 1A-20A INSULATOR IN NYLON MATERIAL ADD -N

PART NUMBERS	CURRENT RATING (A)	HOUSING MATERIAL COLOR	INSULATOR MATERIAL	TYPICAL VOLTAGE DROP (mV)	TYPICAL COLD RESISTANCE (mΩ)	I <sup>2</sup> t VALUE(A <sup>2</sup> s) (TYPICAL)
PTF 200 1A	1A	BLACK 	POLYCARBONATE	176	123	0.36
PTF 200 2A	2A	GRAY 	POLYCARBONATE	141	53.5	1.31
PTF 200 3A	3A	VIOLET 	POLYCARBONATE	137	31.1	6.80
PTF 200 4A	4A	PINK 	POLYCARBONATE	136	22.8	13
PTF 200 5A	5A	TAN 	POLYCARBONATE	128	17.85	24
PTF 200 7.5A	7.5A	BROWN 	POLYCARBONATE	116	10.91	54
PTF 200 10A	10A	RED 	POLYCARBONATE	109	7.70	105
PTF 200 15A	15A	BLUE 	POLYCARBONATE	102	4.80	302
PTF 200 20A	20A	YELLOW 	POLYCARBONATE	98	3.38	483
PTF 200 25A-N	25A	NATURAL 	NYLON	92	2.52	993
PTF 200 30A-N	30A	GREEN 	NYLON	84	1.97	1374
PTF 200 35A-N	35A	BLUE GREEN 	NYLON	87	1.61	2188
PTF 200 40A-N	40A	ORANGE 	NYLON	96	1.44	3144

## MARKINGS ON THE INSULATOR SHOULD BE AS FOLLOWS:-

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

## ELECTRICAL CHARACTERISTICS:-

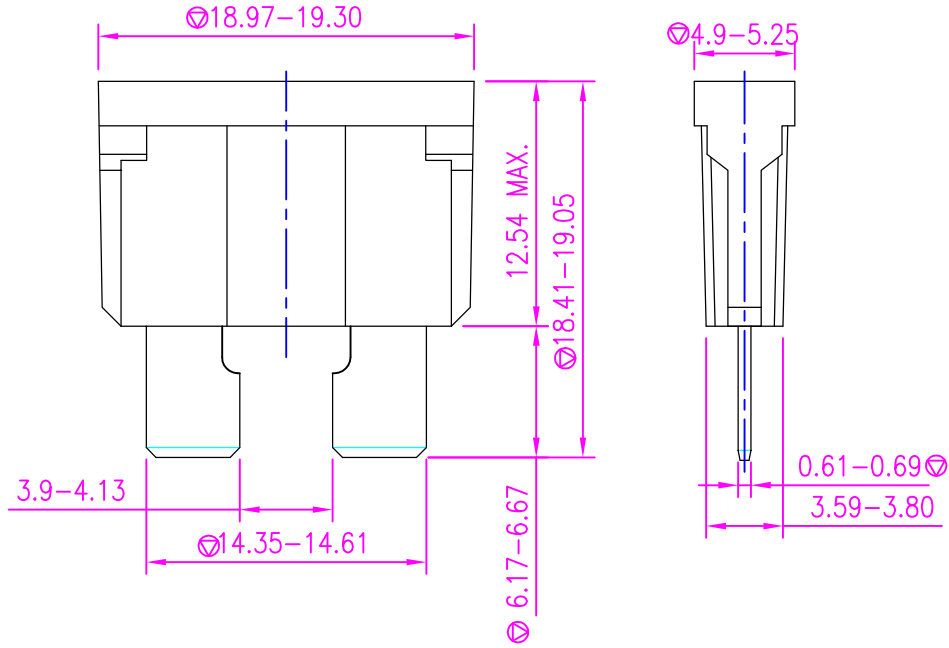
% OF AMPERE RATING	AMPERE RATING	OPENING TIME
110%	1-40Amp	100 Hours Min.
135%	1-40Amp	750 msec., Min.; 600sec, Max.
160%	1-40Amp	250 msec., Min.; 50sec, Max.
200%	1-40Amp	150 msec., Min.; 5sec, Max.
350%	1-40Amp	80 msec., Min.; 500msec., Max.
600%	1-40Amp	20 msec., Min.; 100msec., Max.



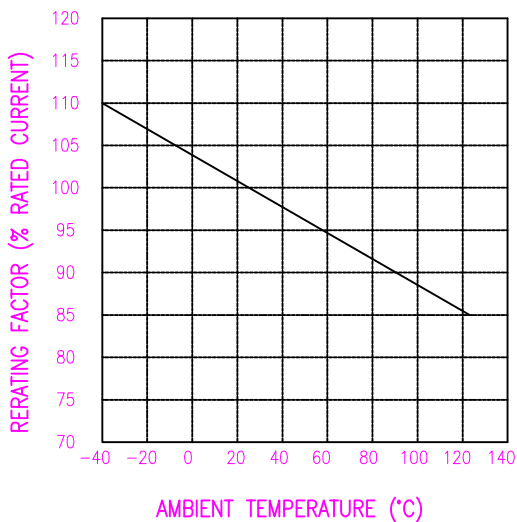
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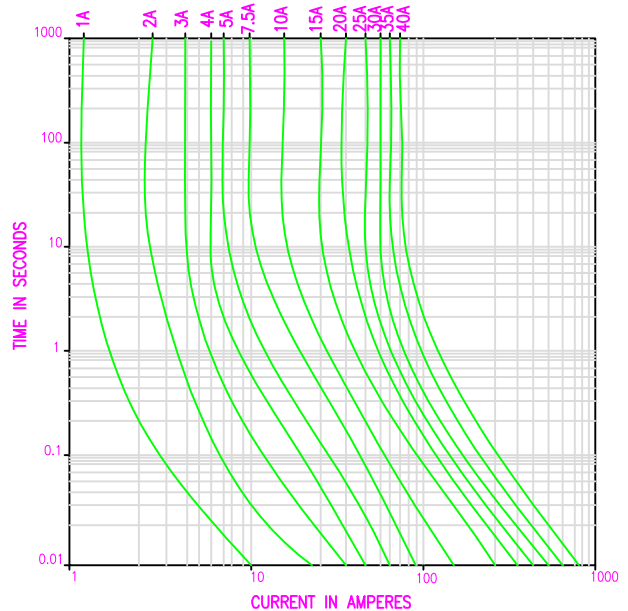
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## TEMPERATURE DERATING CURVE



## TIME-CURRENT CHARACTERISTIC CURVES



A	ORIGINAL	CHETAN	21.09.2018		
REV.	DESCRIPTION		DRN. BY	DATE	CK'ED BY APP'D BY
Projection: 		Scale: NTS	Sht. Size: A4	Gen. Tol.: $\pm 0.25\text{mm}$ $\pm 2^\circ$	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.