

NON TRANSFERABLE

TEST REPORT

No.SHL/239/2008-09/3244/1040

Date: 14.10.2008

1.0 NAME AND ADDRESS OF THE CUSTOMER : Protectron Electromech (P) Ltd.,
D-11-14 Brigade MM,
7th Block, Jayanagar, K.R. Road,
Bangalore,
Karnataka 560 070

2.0 CUSTOMER LETTER REF. : Letter Ref. No. Nil
Dt. 26.09.2008

3.0 DESCRIPTION OF COMPONENT :
Electrical fuse Part No.: PTF 200 40A

As informed by the customer, Electrical fuses having 40 Amps ratings are manufactured by M/s Protectron Electromech (P) Ltd. Bangalore.

Drawing of electrical fuse having 40 amps rating bearing Part No.: PTF 200 40A Rev. No.A is attached herewith.

4.0 TEST OBJECTIVE :

To evaluate performance of electric fuse as per the test requirements given in AIS 026 Cl. No. 12 (c) & AIS 028 Cl. No. 4.3.3

5.0 TEST REQUIREMENTS / RESULTS:

Requirements of AIS 026 Cl. No. 12 (c) & AIS 028 Cl. No. 4.3.3 for electrical fuse are given in Table-1 on Page No. 2



Page 1 of 3

Test Report No. SHL/239/2008-09/3244/1040

Table-1

Sr. No.	Rated current of the fuse	Current supplied to the Fuse at 12 V /24 V DC	Requirement	Observations
1	40 Amps	135% of the rated current i.e. 54.0 A	Fuse element shall fuse within 60 seconds.	Fuse element fused within 60 sec when current of 54.0 A passed through the fuse. i) 1 st Sample Fused in 45 sec. ii) 2nd Sample Fused in 48 sec. iii) 3 rd Sample Fused in 42 sec.
		110% of the rated current i.e. 44.0 A	Fuse element shall not fuse within 60 min.	No fusing observed when current of 44.0 A is passed through the fuse for 60 minutes.

6.0 CONCLUSION:

Electric fuse (40 A) bearing Part No.: PTF 200 40A; manufactured and submitted by M/s Protectron Electromech (P) Ltd. Bangalore, meets the test requirements when tested as per AIS 026 Cl. No. 12 (c) & AIS 028 Cl. No. 4.3.3

PREPARED BY:

S.N. Londhe
S. N. LONDHE
TECH. ASSISTANT

CHECKED BY:

Ajay D. Deke
AJAY D. DEKE
PROJECT ENGINEER

APPROVED BY:

M. G. R. Pillai
M. G. R. PILLAI
ASSISTANT DIRECTOR, SHL

Place of Issue: PUNE

Date of Issue: 15/10/08

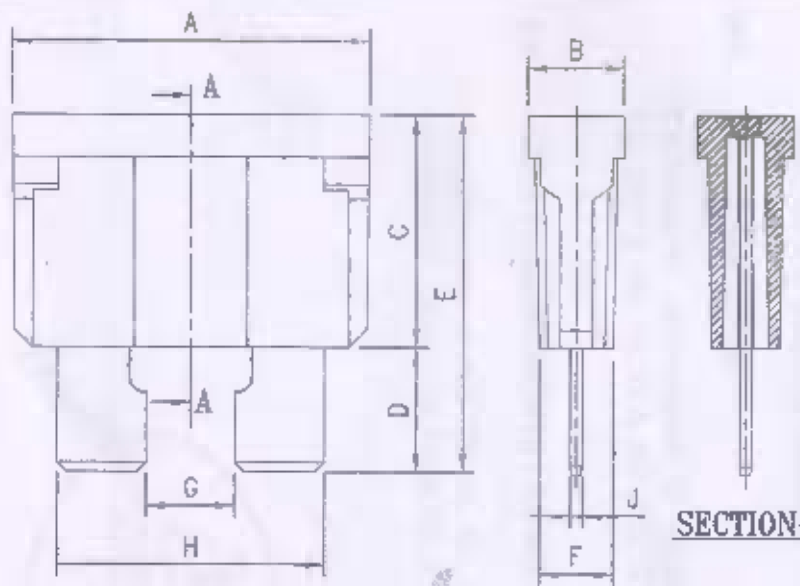
DISCLAIMER

This test report pertains only to the components / parts / assemblies / vehicles etc. actually tested at ARAI in the presented condition based on the documents / information produced / submitted by the customer. The issuance of this test report alone does not indicate any measure of approval, certification, supervision, control of quality surveillance by ARAI of the product. No extract, abridgement or abstraction from this test report shall be published or used to advertise the product without the written consent of the Director, ARAI, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought. ARAI is in no way responsible for any misuse of copying of any design / type / system in connection with entire vehicle / components / parts and assemblies. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the customer and ARAI shall not be liable for any claims or damages, made by the party, whatsoever, the customer shall alone be liable for the same, and undertakes to indemnify ARAI in this regard. Further, the ARAI has the right to initiate cancellation / withdrawal of the certificate issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ARAI. The appropriate local courts at Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.

DESC : **BLADE FUSE - STANDARD PLUG IN TYPE**

Part No. **PTF 200 40A**

REV-A



NOMINAL CURRENT RANGE (In)	BODY COLOUR	PART NUMBERS
40A	ORANGE	PTF 200 40A



DRAWING REFERENCES	DIMENSIONS IN mm.	
	MIN.	MAX.
A	18.97	19.30
B	4.99	5.25
C	-	12.54
D	6.17	6.67
E	18.41	19.05
F	3.59	3.80
G	3.90	4.13
H	14.35	14.61
J	0.61	0.69

DESIGN STANDARDS :

1. U.L. STANDARD FOR AUTOMOTIVE BLADE TYPE FUSES / SAEJ1284 / JASO D619-97

RATED VOLTAGE : DC 32V OR LESS

INTERRUPTING RATING : 1000A @ 32VDC

MARKINGS ON THE FUSE SHOULD BE AS FOLLOWS:-

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

For **PROTECTRON ELECTROMECH (P) LTD.**

Authorised Signatory
PROTECTRON ELECTROMECH (P) LTD.,
 No. D 11-14, 2nd & 3rd Floor,
 Brigade MM Road, K.R. Road,
 Bangalore - 560 002 Ph: 28766686

Test Report No: SHY239/2008-09/3244/1040. Date: 16.10.08.

REV.	ZONE	DESCRIPTION	CHECKED BY	DATE	DOCUMENT CODE	ALL DIMENSIONS ARE IN MM. IF UNLESS OTHERWISE SPECIFIED.	
A		ORIGINAL	<i>[Signature]</i>	08.07.2008		Gen. Tol.	P PROTECTRON ELECTROMECH (P) LTD., Bangalore, INDIA.
					MATERIAL & FINISH PLASTIC BODY - POLYETHERSULFONE ELEMENT - ZINC	Surface Finish Ra 1.6	This Document is the property of PROTECTRON ELECTROMECH (P) LTD. it shall not be reproduced or communicated to a third party without prior permission.
					HEAT TREATMENT	Scale: NTS	DWG according to STD. Sheet: 1 OF 1
					DRAWN BY : CHAITRA	ShT. Size: A4	
					DATE : 08.07.2008	APP'D BY: <i>[Signature]</i>	

Page 5 of 5