

**NON TRANSFERABLE**

**TEST REPORT**

No. SHL/239/2009-2010/2673/4190

Date: 31.08.2009

1.0 NAME AND ADDRESS OF THE CUSTOMER : M/s. Protectron Electromech (P) Ltd.  
# D11-14, Brigade MM,  
K.R. Road, 7<sup>th</sup> Block, Jayanagar,  
Bangalore-560 070.

2.0 CUSTOMER LETTER REF. : Letter Ref. No. PEPL/ARAI/GF/140809  
Dt. 14.08.2009

3.0 DESCRIPTION OF COMPONENT :

Glass Cartridge Fuse bearing Part No.: PXF 15A VU,

As informed by the customer, Electrical fuses-having 15 Amps ratings are manufactured by M/s. Protectron Electromech (P) Ltd., Bangalore.

Drawing of electrical fuse having 15 amps rating bearing Part No.: PXF 15A VU 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



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**Table-1**

Sr. No.	Rated current of the fuse	Current supplied to the Fuse at 12 V /24 V DC	Requirement	Observations
1	15 Amps	135% of the rated current i.e. 20.25 A	Fuse element shall fuse within 60 seconds.	Fuse element fused within 60 sec when current of 20.25 A passed through the fuse. i) 1 <sup>st</sup> Sample Fused in 10 sec. ii) 2 <sup>nd</sup> Sample Fused in 17 sec. iii) 3 <sup>rd</sup> Sample Fused in 10 sec.
		110% of the rated current i.e. 16.5 A	Fuse element shall not fuse within 60 min.	No fusing observed when current of 16.5 A is passed through the fuse for 60 minutes.

**6.0 CONCLUSION:**

**Electric fuse (15A)** bearing Part No.: PXF 15A VU, submitted & manufactured 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:**

  
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TECH. ASSISTANT

**CHECKED BY:**

  
**A. D. DEKATE**  
PROJECT ENGINEER

**APPROVED BY:**

  
**A. AKBAR BADUSHA**  
SR. ASSISTANT DIRECTOR

**Place of Issue: PUNE**

**Date of Issue: 31/08/09**

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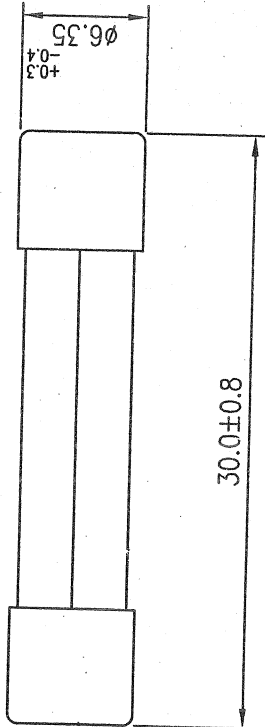


DESC : 6.3x30, GLASS CARTRIDGE FAST ACTING FUSE

Part No. PXF 15A VU

REV. A

NOMINAL CURRENT RANGE (In)	VOLTAGE DROP DC (mV Max.)
15 A	200



TIME CURRENT CHARACTERISTICS	
NOMINAL CURRENT	1.35 In
	1.1 In
15A	<60Sec
	>60min

RATED VOLTAGE : 32V

MARKINGS ON THE FUSE CAP SHOULD BE AS FOLLOWS:-  
 TYPE OF FUSE (F), FUSE RATING, RATED VOLTAGE (32V),  
 BREAKING CAPACITY (L) & COMPANY'S IDENTIFICATION

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for PROTECTRON ELECTROMECH (P) LTD.  
 Approved Signatory  
 No. D/1612 1st Floor,  
 Brigade M.M. New K.R. Road,  
 Bangalore-560 070 Ph: 2676699  
 PROTECTRON ELECTROMECH (P) LTD.

REV.	ZONE	DESCRIPTION	CHECKED BY	DATE	DOCUMENT CODE : 4D PXF 03	ALL DIMENSIONS ARE IN MM IF UNLESS OTHERWISE SPECIFIED.
A		ORIGINAL	<i>[Signature]</i>	08.10.2001		PROTECTRON ELECTROMECH (P) LTD. Bangalore, INDIA.
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						DWG according to STD. Sheet: 1 OF 1