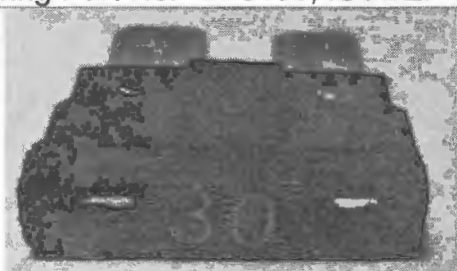


**NON-TRANSFERABLE**

**TEST REPORT**

No. SHL/239/2018-2019/3000005824/RT/0950

Date: 07.03.2019

|         |                                                                                                                                                            |                                                                                                                                 |                                            |                                                                                                                                                                            |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.0     | NAME AND ADDRESS OF CUSTOMER                                                                                                                               | Ultra Wiring Connectivity System Ltd.<br>287-AB, Sector 59, HSIDC Industrial Estate ,<br>Ballabgarh, Faridabad, Haryana-4121004 |                                            |                                                                                                                                                                            |
| 2.0     | CUSTOMERS LETTER REF.                                                                                                                                      | Email Dated: 19.02.2019                                                                                                         |                                            |                                                                                                                                                                            |
| 3.0     | DESCRIPTION OF TEST COMPONENT:                                                                                                                             |                                                                                                                                 |                                            |                                                                                                                                                                            |
| a.      | Name of The Component                                                                                                                                      | Automotive Fuse                                                                                                                 |                                            |                                                                                                                                                                            |
| b.      | Name of The Manufacturer                                                                                                                                   | Ultra Wiring Connectivity System Ltd.<br>287-AB, Sector 59, HSIDC Industrial Estate ,<br>Ballabgarh, Faridabad, Haryana-4121004 |                                            |                                                                                                                                                                            |
| c.      | Part No./Identification No:                                                                                                                                | UF0130                                                                                                                          |                                            |                                                                                                                                                                            |
| d.      | Type                                                                                                                                                       | Blade                                                                                                                           |                                            |                                                                                                                                                                            |
| e.      | Fuse Rating                                                                                                                                                | 30A                                                                                                                             |                                            |                                                                                                                                                                            |
| f.      | Drawing No.                                                                                                                                                | Bearing Part No. UF0130; ISSUE:- 0                                                                                              |                                            |                                                                                                                                                                            |
| g.      | Photograph of the component                                                                                                                                |                                              |                                            |                                                                                                                                                                            |
| 4.0     | TEST OBJECTIVE:<br>To evaluate performance of electric fuse as per the test- requirements given in Cl. No. 4.3.3 of AIS 028 and Cl. No. 12 (c) of AIS 026. |                                                                                                                                 |                                            |                                                                                                                                                                            |
| 5.0     | TEST REQUIREMENTS / RESULTS:<br>Requirements of AIS 028 Cl. No. 4.3.3 and Cl. No. 12 (c) of AIS 026 for electrical fuse are given below in Table-1         |                                                                                                                                 |                                            |                                                                                                                                                                            |
| Table-1 |                                                                                                                                                            |                                                                                                                                 |                                            |                                                                                                                                                                            |
| Sr. No. | Rated current of the fuse                                                                                                                                  | Current supplied to the Fuse at 12 V / 24 V DC                                                                                  | Requirement                                | Observations                                                                                                                                                               |
| I.      | 30A                                                                                                                                                        | 135% of the 40.5A                                                                                                               | Fuse element shall fuse within 60 seconds. | i) 1 <sup>st</sup> Sample Fused in 23 sec.<br>ii) 2 <sup>nd</sup> Sample Fused in 27 sec.<br>iii) 3 <sup>rd</sup> Sample Fused in 29 sec.<br><b>Observation : Complies</b> |



**TEST REPORT NO. SHL/239/2018-2019/3000005824/RT/0950**

| Sr. No. | Rated current of the fuse | Current supplied to the Fuse at 12 V / 24 V DC | Requirement                                | Observations                                                                                                                 |
|---------|---------------------------|------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| II      | 30A                       | 110% of the rated current i.e. 33A             | Fuse element shall not fuse within 60 min. | The fuse element did not fuse when the current of 33A was passed through it for 62 minutes.<br><b>Observation : Complies</b> |
| 6.0     | Test Duration             | Start Date:- 27.02.2019                        | End Date:- 28.02.2019                      |                                                                                                                              |

**7.0 CONCLUSION:**

Blade fuse having ratings of 30A, details are mentioned above sr. no. 3 in this report **Complies** with the test requirements when tested as per Cl. No. 4.3.3 of AIS: 028 and Cl. No. 12 (c) of AIS 026.

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| PREPARED BY                                                                                                            | CHECKED BY                                                                                                                          | APPROVED BY                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>S. N. LONDHE</b><br>ENGINEER | <br><b>A.D. DEKATE</b><br>DEPUTY GENERAL MANAGER | <br><b>A.V. MANNIKAR</b><br>SR. DEPUTY DIRECTOR-HoD, SHL |
| Place of Issue: PUNE                                                                                                   |                                                                                                                                     | Date of Issue: 07.03.2019                                                                                                                     |

