

COMMERCIAL - IN - CONFIDENCE

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एफ.सी.आर.आई.



CERTIFICATE OF TESTING

OF POSITION MONITORING SWITCH FOR
M/s. SUSIN I- TORK INDIA PVT. LTD.
NO.43-A 9, VADAKKU THOTTAM PAKUTHI,
IDIKARAI, TAMILNADU- 641022



Certificate No:
TC-7402

ULR No.TC74022211000030F

Environmental Qualification Laboratory

Certificate No.: FCRI/EQL/ENV/22-23/001

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Date of Receipt	Date of Testing	Date of Issue
08/04/2022	08/04/2022 to 11/04/2022	13/04/2022

Details of Device Under Testing (DUT) :			
Nomenclature	Position Monitoring Switch (Limit Switch Box)		
Make	Model NO.	SI NO.	TEST
SUSIN I - TORK	ITS 200 Series	001	IP6X
		002	IPX7

Summary : The Position Monitoring Switch was tested for IP 67 test as per IEC 60529 Ed-2.2 2013-08

Details of Reference Instruments:				
Name	Make	Model	Sl. no	Cal due
Dust test chamber	WIESS TECKNIK	ST 1000 U	22600939	11/01/2023
Pressure gauge	KOBOLD	----	13S7439	11/01/2023
Dry gas meter	SCHLUMBERGER	----	13018837	11/01/2023

Results: The Position Monitoring Switch conforms to IP 67 standards.

Tested by

A. Tamil Chandran, SRE

Report prepared by

for
Amal M

Report checked by

A. Tamil Chandran, SRE

Approved by

Dr. S Rammohan, DD

for
Amal M

1 Test Procedure

Ingress Protection Test -IP 6X

The IP 6X test was conducted on the sample as per the test procedure specified in the standard IEC 60529 Ed-2.2 2013-08 (section 13.6), for a period of 8 hrs

Ingress Protection Test -IP X7

The IP X7 test was conducted on the sample as per the test procedure specified in the standard IEC 60529 Ed-2.2 2013-08 (section 14.2.7), The test unit was immersed in water at a depth of 1 m for a period of 30 min.

2 Observations & Result

The Ingress protection tests were conducted as per section 1. The observed conditions are as below.

- Ingress Protection Test – (IP 6X): There was no deposit of dust particles inside DUT.
- Ingress Protection Test – (IP X7): There was no ingress of water droplets inside DUT.

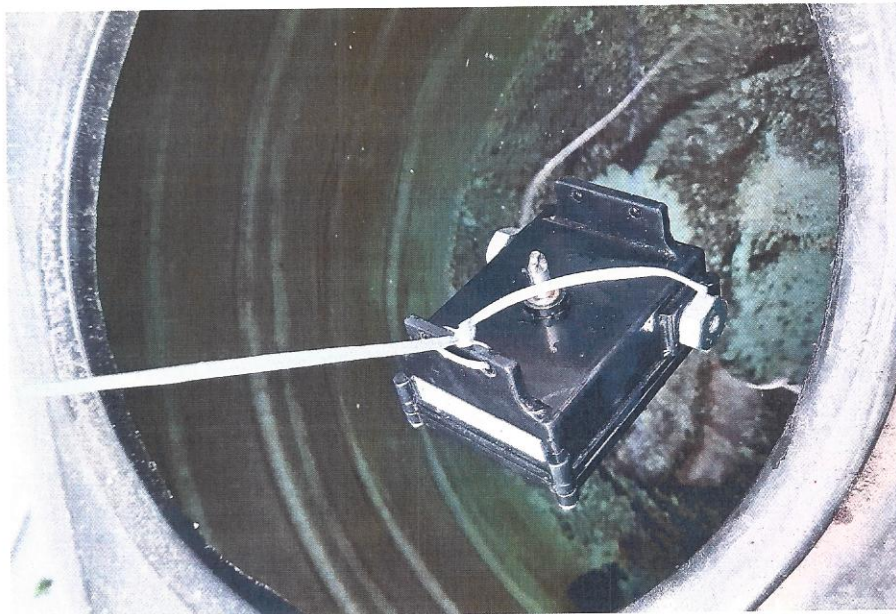


Figure A: DUT Before IP X7 testing

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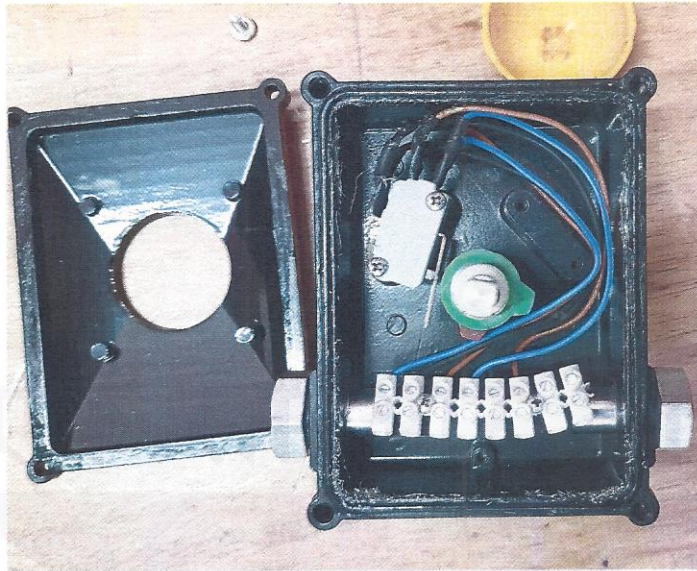


Figure B: DUT After IP X7 testing

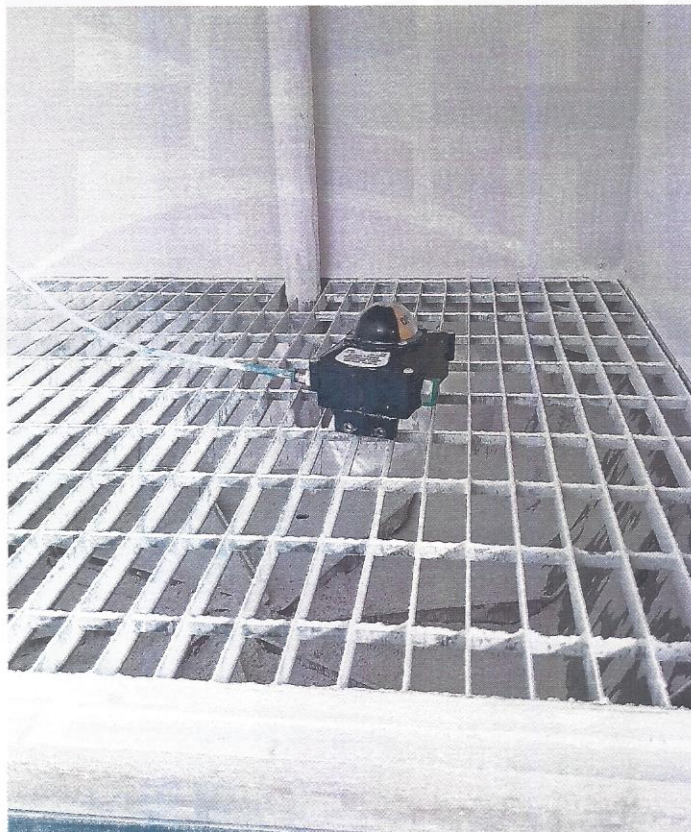


Figure C: DUT Before IP 6X Test.

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Figure D: DUT after IP 6X Test.