

Test Datasheet

Start Date	Completion Date	Customer Name	Purchase Order #	Service Project Number SPN	Test ID #	Temperature	Humidity	DS Revision
6/5/2015	6/8/2015	Seahorse Protective Cases	Eng5152015	13853	G1-1	24.2 °C	58.1 % RH	7/13/2015
Test Title		Test Specification / Standard		Specific Test Conditions		Measurements / Inspection		
Water Immersion		IEC 6029, IPX7 MIL-STD-810F, Method 512.4, Procedure I		under 1 meter water immersion 30 minutes		Inspection for ingress of water		
Anomaly / Interruption				Nonconformity / Deviation				
None				None				
Test Sample Description		Part Number		Experior Test Procedure # (if applicable)			Customer Witness	
Enclosures/Equipent Cases		Per description below		Per IEC 6029, IPX7 (IAW MIL-STD-810F, Method 512.4, Procedure I)			None	
Project Engineer	Performed By		Bench Cleaning	Equipment List	Post Test Cleanup	Setup Check	Event Log	Signoff by Technical Director
David Young	DY	Signoff Date/Time	DY 6/5/2015 8AM	DY 6/5/2015 8:15AM	DY 6/8/2015 2:45PM	DY 6/5/2015 11AM	DY 6/8/2015 3PM	john kim
Results Summary								
Experior Sample Number		Seahorse Serial Number		Observation	Requirement	Compliant Sample?		
S1		SE830		No water found	Water shall not interfere with correct operation, impair safety, deposit on insulation parts or reach live parts	Yes		
S2		I342HL		No water found		Yes		
S3		P24		No water found		Yes		
S4		RB66X06Y28Y		No water found		Yes		
S5		RB32X04Y10Y		No water found		Yes		
S6		RB53X06Y16Y		No water found		Yes		
S7		RB33X06Y16Y		No water found		Yes		
S8		RB63X06Y28Y		No water found		Yes		
S9		RB55X06Y16Y		Few drops found		Yes		
Date	Time	Event Log						Initials
6/1/2015	12:00 PM	Begin labeling units						
	1:00 PM	Noticed S3 (P24 enclosure) is not properly sealed from bottom, informed customer						
6/5/2015	8:00 AM	Begin setting up water tank for 1 m immersion						
	10:00 AM	Verified that water depth is 1m						
	11:00 AM	Begin Testing S5 through S9						
	11:30 AM	Completed						
	11:45 AM	Samples opened up for inspection, found water in S9						
	2:00 PM	Note: S1 buoyancy force too great, building apparatus to keep sample submerged						
	2:25 PM	Begin testing S1						
	2:55 PM	Comepleted						
	3:00 PM	S1 opened up for inspection. No water found.						
	3:05 PM	Begin testing S2						
3:35 PM	Comepleted							

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Water Immersion		IEC 6029, IPX7 MIL-STD-810F, Method 512.4, Procedure I		under 1 meter water immersion 30 minutes		Inspection for ingress of water		
	3:37 PM	S2 opened up for inspection. No water found.						DY
	3:40 PM	Begin Testing S4						
	4:10 PM	Completed						
	4:12 PM	S4 opened up for inspection. No water found.						
6/8/2015	9:10 AM	Per customer request, placed solid rod into pigtail of S3 and tightened, effectively closed the port.						
	9:20 AM	Begin testing S3						
	9:50 AM	Completed						
	10:25 AM	S3 opened up for inspection. Large amount of water found.						
	11:00 AM	Communicated with customer. S3 did not have gasket installed and S9 was not sealed properly						
	1:50 PM	Corrected S3 and S9 and both units retested						
	2:20 PM	Completed						
	2:30 PM	S3 and S9 opened up for inspection. No water found in S3, few drops found in S9						
	2:45 PM	Post Test Cleanup						
7/13/2015	8:57 AM	Added reference to MIL-STD-810F, Method 512.4, Procedure I						