

XB13 IP test

Date of test: 10/12/01
Test engineer: P. Fishwick
Equipment tested: 1 off pre-production XB13 sample
Tested to: IP 66 & 67 (DD066)

Method:

IP67 test:

The XB13 was assembled with a lens guard, but no ESA (it was not thought to be of importance to the results of the test). The sample was attached to a weight and then placed into the water tank (the top face in the water was approximately 500mm below the surface of the water. The sample was left submerged for approximately 30 minutes. When the sample had been removed from the water tank, the outside was completely dried and then opened to inspect for water ingress. No water was found inside the housing, therefore the sample passed the test.

IP66 test:

The XB13 sample was secured in position, and water from the high pressure hose was directed at it, paying particular attention to the seal and entry areas. The length of the test was approximately 3 minutes. Upon completion, the sample was opened and inspected for water ingress. No water was found inside the housing, therefore, the sample passed the test.

It was decided to repeat the above tests to confirm the results. The results (pass or fail) for these tests are below:

IP67 test 2: PASS.
IP67 test 3: PASS

IP66 test 2: PASS
IP66 test 3: PASS

CONCLUSIONS:

It can be concluded that the XB13 pre-production sample can be rated to IP 66 & 67 as it passed all of the IP 66 & 67 tests.



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