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IP66 Test Certificate: Polycase HP-Series

Independent Test Lab Performing Tests: Keystone Compliance, LLC

Test specification(s): IEC 60529 IPX6 Powerful water jet
IEC 60529 IP6X Dust tight with pressure
Degrees of Protection Provided by Enclosures

Calibration information: ANSI/NCSS Z540-3-2006
Calibration Laboratories and Measuring Test Equipment -
General Requirements

Part number tested: HP-100604-11

Test completion date: January 30, 2024

This test certificate is based on testing completed on Polycase p/n: HP-100604-11 by an independent test lab.

Since the enclosure tested is the largest / worst case configuration HP-Series enclosure design, it is considered that the test results apply to other HP Series enclosures of a smaller size utilizing similar design constraints.

Testing was completed on a stock enclosure without any modifications. Adding cutouts to the enclosure will void the ratings.

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Polycase Product Development
Date: 4/26/2024

ENVIRONMENTAL TEST REPORT FOR POLYCASE

Equipment Under Test(s)

EUT		
Description		Manufacturer
Enclosure		Polycase
Model Number	Part Number	Serial Number
HP-100604-11	N/A	N/A

	EUT
	Enclosure

	IPX6 Powerful Water Jet
	Test

	IP6X Dust Tight with Pressure
	Post Test



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Conclusion:

REPORT NO.: 2401-132N
REVISION: N/C

ENVIRONMENTAL TEST REPORT FOR POLYCASE

Section 4 – Conclusion

- a) The Enclosure, Model Number: HP-100604-11; Part Number: N/A; Serial Number: N/A, was subjected to the following Environmental Tests in accordance with IEC 60529 and the specifications as shown in Table 2:

Table 2 Tests Performed & Results

Test Description	Specification	Results
IPX6 Powerful Water Jet	IEC 60529	Post Test Inspection revealed no visible damage, defects or any other abnormalities due to testing. The unit was dried off and opened, no water ingress was found inside. The Enclosure (Model – HP-100604-11) met the requirements of the specification.
IP6X Dust Tight with Pressure	IEC 60529	The unit was dusted off, no visible damage, defects or any other abnormalities due to testing. The Enclosure was opened and no dust ingress was found inside. The Enclosure (Model – HP-100604-11) met the requirements of the specification.

- b) The Enclosure was returned to Polycase after completion of the Environmental Test.