



IEC 61850 Certificate Level B¹

No. Schneider_VAL_PowerLogic_P3F60_GoosePerformanceEd2

Issued to:

Schneider Electric Industries SAS
35 rue Joseph Monier
92500 Rueil Malmaison
France

For the product:

PowerLogic™ P3F60
Protection Relay
Firmware version: V01.100
S/N: WX2337104200021

The product has not been shown to be non-conforming to:
IEC 61850-5 Edition 2 Performance Class P2 (10ms)

The performance test has been performed according to the UCA International Users Group GOOSE performance Test Procedures version 2.5 with product's protocol implementation conformance statements and product's extra information for testing: "PowerLogic P3 IEC 61850 Server Conformance Statement Ed.2_P3_EN_CM_11A".

The test has been carried out on one single specimen of the product as referred above and submitted to Schneider Electric IEC61850 lab by Schneider Electric. The manufacturer's production process has not been assessed. This certificate does not imply that Schneider Electric IEC61850 lab has certified or approved any product other than the specimen tested.

This Certificate summarizes test results as carried out at Schneider Electric IEC61850 lab in China with the OMICRION Test Universe version 4.31, Profishark 1G+ and Wireshark 3.4.6. This document has been issued for information purposes only, and the original paper copy of the test report: No. Schneider_VAL_PowerLogic_P3F60_GoosePerformanceEd2_RPT_01 will prevail.

The GOOSE performance has been measured with Boolean and Double Point values.

Shanghai, 2024-01-26

Issued By:

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Validation Manager



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Test Engineer

Page 1/2

1 Level B - Test lab at least following ISO 9001

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GOOSE Performance Measured Results:

Performance class = P2 (10 ms)

Goose Performance Benchmark summary results (compensated for scan cycle delays if any)

Test ID	Large dataset	Correlated subscribed	Back-ground	Minimum Transfer time [ms]	Maximum Transfer time [ms]	Average Transfer time [ms]
Gpf1	-	-	-	0.64	4.51	1.77
Gpf2	X	-	-	0.92	5.29	2.52
Gpf3	-	X	-	0.43	5.00	1.88
Gpf4	X	X		0.93	5.43	2.58
Gpf5	-	-	X	0.63	4.54	1.77
Gpf6	X	-	X	0.93	5.55	2.47
Gpf7	-	X	X	0.45	4.70	1.88
Gpf8	X	X	X	0.96	5.20	2.59
Gpf9 fixed length	X	X		1.26	5.93	2.98