



IEC 61850 Certificate Level A¹

No. 30107058-Consulting 10-2026

Issued to:
Basler Electric
12570 State Route 143
Highland IL 62249-0269
USA

For the product:
BE1-11
Application Version 2.04.00
Style number BE1-11-F5A1N5H1N0E00



The product has not shown to be non-conforming to:
IEC 61850-6, 7-1, 7-2, 7-3, 7-4 and 8-1
Communication networks and systems in substations

The conformance test has been performed according to IEC 61850-10 with product's protocol, model and technical issue implementation conformance statements: "Basler BE1-11 PICS V1.0", "Basler BE1-11 MICS V1.0", "Basler BE1-11 TICS V1.0" and product's extra information for testing: "Basler BE1-11 PIXIT V1.0".

The following IEC 61850 conformance blocks have been tested with a positive result (number of relevant and executed test cases / total number of test cases as defined in the UCA International Users Group Device Test procedures v2.2):

1 Basic Exchange (19/24)	9a GOOSE Publish (8/12)
2 Data Sets (3/6)	9b GOOSE Subscribe (9/10)
4 Setting Group Selection (3/3)	12a Direct Control (4/11)
5 Unbuffered Reporting (14/18)	13 Time Synchronization (4/5)
6 Buffered Reporting (16/20)	14 File Transfer (4/7)

This Certificate includes a summary of the test results as carried out at Basler Electric in United States of America with UniCASim 61850 version 3.21.03 with test suite 3.21.00 and UniCA 61850 analyzer 4.21.02. The test is based on the UCA International Users Group Device Test Procedures version 2.2. This document has been issued for information purposes only, and the original paper copy of the KEMA report: No. 30107058-Consulting 10-2025 will prevail.

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

Arnhem, 23-11-2010

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1 Level A - Independent Test lab with certified ISO 9000 or ISO 17025 Quality System

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Applicable Test Procedures from the UCA International Users Group Device Test Procedures version 2.2

Conformance Block	Mandatory	Conditional
1: Basic Exchange	Ass1, Ass2, Ass3, AssN2, AssN3, AssN4, AssN5 Srv1, Srv2, Srv3, Srv4, Srv5, SrvN1abcd, SrvN4	Srv6, Srv7, Srv8, SrvN1e, SrvN3
2: Data Sets	Dset1, Dset10a, DsetN1ae	
4: Setting Group Selection	Sg1, SgN1a	Sg3
5: Unbuffered Reporting	Rp1, Rp2, Rp3, Rp4, Rp7, Rp10 RpN1, RpN2, RpN3, RpN4	Rp5, Rp8, Rp9, RpN5
6: Buffered Reporting	Br1, Br2, Br3, Br4, Br7, Br8, Br9, Br12 BrN1, BrN2, BrN3, BrN4, BrN5	Br5, Br10, Br11
9a: GOOSE publish	Gop2, Gop3, Gop4, Gop7	Gop1, Gop6, Gop10, GopN1
9b: GOOSE subscribe	Gos1a, Gos2, Gos3, GosN1, GosN2, GosN3, GosN4, GosN5, GosN6	
12a: Direct control	CltN3, CtlN8, DOns1, DOns3	
13: Time sync	Tm1, Tm2, TmN1	Tm3
14: File transfer	Ft1, Ft2ab, FtN1ab	Ft4

All configuration file and data model tests have been successfully performed for the product variants using the same hardware and software version:

- BE1-11-F5A1N5H1D0E00
- BE1-11-G5A1N5H1N0E00
- BE1-11-I5A1N5H1N0E00
- BE1-11-T5A1N5H1N0E00