Certificate of conformity with the following European Directives

Registered No.:
1912604734E/L20/48002

Low Voltage Directive 2014/35/EU

Reference of applicant	Date of application	File reference	Test report No.	Date of issue	Expire date
8821	2019-12-03	8821-ENE_ENMU/L1	1912604734E/45081/TR/19	2020-01-29	2025-01-28

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards:

Product: Merging unit.

Type designation: **ENMU-X/X/X-X/X-X-X-X** (Models differences, see Annex 1)

Applicant: JSC «Engineering Centre «Energoservice»
44, Aviamotornaya str., Bld 1, Office 1A, Room 1, Moscow, 111024, Russia.

Standard(s): LVS EN 61010-1:2010 + A1:2019 (IEC 61010-1:2010 + A1:2016)

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TUV NORD Group. This is to certify that the tested sample is in compliance with the essential requirements referred to Electromagnetic Compatibility Directive 2014/30/EU. The holder of this certificate may use this Certificate together with his EU-Declaration of Conformity.

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/ M. Porubova /
Certification Body of TUV NORD Baltik LLC

CE **The CE marking may be affixed on the product if all relevant and effective Directives are complied with.** CE

№ 001261

Description of product(s): 30 VA_{max}, Class 1, IPX0, (–40...+70) °C.

ENMU – X / X / X – X/X – X – X – X

Rated alternating current (AC) of measuring input:

1 – 1 A
5 – 5 A
CX – clamp meter, where X – alternating current (10 ... 3000) A
0 – without measuring inputs

Rated alternating current (AC) of protection input:

1 – 1 A
5 – 5 A
CX – clamp meter; where X – alternating current (10 ... 3000) A
0 – without protection inputs
No symbol – when it coinsides with AC of measuring input

Rated AC voltage:

100 – 57.7 (100) V phase (line-to-line)
400 – 230 (400) V phase (line-to-line)
0 – without measuring of AC voltage

Designation of discrete input / output signals:

Input signal:
0 ... 32 – number of signals

Output signal:
0 ... 16 – number of signals

No symbol – when construction does not contain input / output signals

Power supply voltage:

48 – (18 ... 75) V_{DC}
110 – (42 ... 160) V_{DC}
220 – (100 ... 265) V~ at (45 ... 55) Hz or (120 ... 370) V_{DC}

Basic interfaces:

E3A1 – 3 x Ethernet 100Base-TX, 1 x RS-485 (sync)
FX2E1A1 – 2 x Ethernet 100Base-FX, 1 x Ethernet 100Base-TX, 1 x RS-485 (sync)
FX2E1ST1 – 2 x Ethernet 100Base-FX, 1 x Ethernet 100Base-TX, 1 x fiber ST (sync)
FX2E2A1C1 – 2 x Ethernet 100Base-FX, 2 x Ethernet 100Base-TX, 1 x RS-485 (sync), 1 x CAN

Additional interfaces:

E3A2C1 – 3 x Ethernet 100Base-TX, 2 x RS-485, 1 x CAN
FX2E1A2C1 – 2 x Ethernet 100Base-FX, 1 x Ethernet 100Base-TX, 2 x RS-485, 1 x CAN

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