

CERTIFICATE OF CONFORMITY

No. DZC.522.141.2024.2025

Issue No. 02 of 2025.12.10

*Name and address of
the certificate holder:*

Ensto Finland Oy, Ensio Miettisen katu 2,
P. O. Box 77, 06101 Porvoo, Finland

Name of the product:

Fuse-switch disconnecter, switch disconnecter

Type:

SZ160.1, SZ160.3, SZ160.32, SZ160.4, SZ160.41

Manufacturer:

Ensto Finland Oy, Ensio Miettisen katu 2,
P. O. Box 77, 06101 Porvoo, Finland

Place of manufacturing:

1) Ensto Ensek AS, Keki tn. 1,
EE-76606 Keila, Estonia
2) Ensto India Pvt. Ltd., Plot no.-24 & 241, Sector-6
IMT Manesar, 122050, Gurgaon, Haryana, India

Parameters:

According to the appendix

*The product meets
requirements of:*

IEC 60947-1:2020, IEC 60947-3:2020

*According to the
reports made by:*

Electrotechnical Institute; Ensto Utility Networks Laboratory;
Institute of Power Engineering – National Research Institute

*Numbers of the type test
reports:*

057/LLP-711/2015, 056/LLP-711/2015, 050/LBS-711/2015,
022/LBS-722/2015, 100/17/NZL/NBR/NN, 122/17/NZL/NBR/NN,
123/17/NZL/NBR/NN; 3159S, 3144S, 83003_1S, 83003_2S;
DZC.4032.165.2024.2025, DZC.4032.42.2025

Period of validity:

from 10th of December 2025 until 24th of April 2028

The right to use the certificate of conformity within its validity period applies only to:

- these copies that have identical features, construction and equipment as the product samples submitted for testing
- certificate holder or his authorized representative

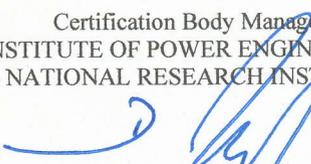
The list of technical data is included in the appendices to the certificate of conformity.

Number of appendices: 2

THE SYSTEM OF PRODUCT CERTIFICATION PC_1a (Program 1a acc. to PN-EN ISO/IEC 17067:2014-01)
(product parameters confirmed by type test)



Certification Body Manager
INSTITUTE OF POWER ENGINEERING
– NATIONAL RESEARCH INSTITUTE


Dariusz Zienkiewicz, M.Sc. Eng



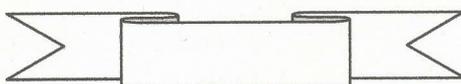
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APPENDIX 1/2 TO THE CERTIFICATE OF CONFORMITY
No. DZC.522.141.2024.2025
Issue No. 02 of 2025.12.10
LIST OF EVIDENCED PARAMETERS

Fuse-switch disconnecter type	SZ160.1, SZ160.3, SZ.160.32, SZ160.4, SZ160.41
Rated operational voltage [U_e]	415 V
Rated insulation voltage [U_i]	1000 V
Rated impulse withstand voltage [U_{imp}]	6 kV
Conventional free air thermal current [I_{th}]	160 A
Rated operational current [I_e]	160 A
Rated frequency	50 Hz
Rated conditional short-circuit current [I_q]	50 kA ¹⁾
External cover degree of protection	IP 23
Utilization category	AC – 22B
Size of fuse link	NH00
Number of poles	1, 3, 3 + PEN separable, 4, 3 + PEN
Operating mechanism	Manual
Resistance to climatic conditions	Climatic ageing test (Method 2) ²⁾
Corrosion resistance	Gas atmosphere test (Method 2) ³⁾

NOTES:

- 1) ¹⁾ With fuse links manufactured by ETI type gG NH00, 160A, 500 V according to IEC 60269-1: 2006, IEC 60269-1:2006/AMD:2009
- 2) ²⁾ Climatic ageing test according to EN 50483-4: 2009 cl. 8.1.5.2.3.2
- 3) ³⁾ Corrosion ageing test according to EN 50483-6:2009 cl. 8.4.2.2





Instytut
Energetyki



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APPENDIX 2/2 TO THE CERTIFICATE OF CONFORMITY
No. DZC.522.141.2024.2025
Issue No. 02 of 2025.12.10
LIST OF EVIDENCED PARAMETERS

Switch disconnecter type	SZ160.1, SZ160.3, SZ.160.32, SZ160.4, SZ160.41
Rated operational voltage [U_e]	500 V
Rated insulation voltage [U_i]	1000 V
Rated impulse withstand voltage [U_{imp}]	6 kV
Conventional free air thermal current [I_{th}]	250 A
Rated operational current [I_e]	250 A
Rated frequency	50 Hz
Rated short-time withstand current [I_{cw}]	7 kA, 1 s
Rated short-circuit making capacity [I_{cm}]	11,9 kA
External cover degree of protection	IP 23
Utilization category	AC – 22B
Size of solid link	NH00
Number of poles	1, 3, 3 + PEN separable, 4, 3 + PEN
Operating mechanism	Manual
Resistance to climatic conditions	Climatic ageing test (Method 2) ¹⁾
Corrosion resistance	Gas atmosphere test (Method 2) ²⁾

NOTES:

- 1) ¹⁾ Climatic ageing test according to EN 50483-4: 2009 cl. 8.1.5.2.3.2
- 2) ²⁾ Corrosion ageing test according to EN 50483-6:2009 cl. 8.4.2.2

