

# CERTIFICATE

Issued to:  
Applicant:  
**ABB Stotz-Kontakt GmbH**  
Eppelheimer Str. 82  
69123 Heidelberg, Germany

Licensee:  
**ABB Stotz-Kontakt GmbH**  
Eppelheimer Str. 82  
69123 Heidelberg, Germany

Product : Switch-disconnector  
Trade name(s) : AEG  
Type(s)/model(s) : ESDxx series

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to EN IEC 60947-3:2021
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 900400

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 11 December 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-133643

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



H.R.M. Barends  
Certification Manager

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**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Switch-disconnector
Trade name(s)	: AEG
Type(s)/model(s)	: ESD10x, ESD20x, ESD30x and ESD40x
Method of operation	: independent manual operation
Suitability for isolation	: suitable
Number of positions of the main contacts	: 2 (ON and OFF)
Rated insulation voltage (Ui)	: 440 V
Rated impulse withstand voltage (Uimp)	: 4 kV
Rated operational current (Ie)	: 40 A, 63 A
Conditional free air thermal current	: 40 A, 63 A
Rated uninterrupted current (Iu)	: 40 A, 63 A
Rated conditional short-circuit current	: 10 kA

**Product data – type ESD10x**

Number of poles	: 1 pole
Kind of current	: AC and DC
Rated operational voltage (Ue)	: 240 Vac 60 Vdc
Rated frequency	: 50 / 60 Hz or DC
Utilization category	: AC-22A DC-21A
Kind of protective device for AC application	: Fuse, NH, size 00, gG Cut-off current to a maximum of 4,8 kA Joule integral (I <sup>2</sup> t) to a maximum of 11,9 kA <sup>2</sup> s
Kind of protective device for DC application	: Fuse, D, size 02, gG Cut-off current to a maximum of 2,2 kA Joule integral (I <sup>2</sup> t) to a maximum of 14,0 kA <sup>2</sup> s

**Product data – type ESD20x**

Number of poles	: 2 poles
Kind of current	: AC and DC
Rated operational voltage (Ue)	: 415 Vac 125 Vdc
Rated frequency	: 50 / 60 Hz or DC
Utilization category	: AC-22A DC-21A
Kind of protective device for AC application	: Fuse, NH, size 00, gG Cut-off current to a maximum of 4,81 kA Joule integral (I <sup>2</sup> t) to a maximum of 16,0 kA <sup>2</sup> s
Kind of protective device for DC application	: Fuse, D, size 02, gG Cut-off current to a maximum of 3,04 kA Joule integral (I <sup>2</sup> t) to a maximum of 14,0 kA <sup>2</sup> s

**Product data – type ESD30x**

Number of poles	: 3 poles
Kind of current	: AC
Rated operational voltage (Ue)	: 415 Vac
Rated frequency	: 50 / 60 Hz
Utilization category	: AC-22A

Kind of protective device : Fuse, NH, size 000, gG  
Cut-off current to a maximum of 4,45 kA  
Joule integral ( $I^2t$ ) to a maximum of 18,5 kA<sup>2</sup>s

**Product data – type ESD40x**

Number of poles : 4 poles  
Kind of current : AC  
Rated operational voltage (U<sub>e</sub>) : 415 Vac  
Rated frequency : 50 / 60 Hz  
Utilization category : AC-22A  
Kind of protective device : Fuse, NH, size 000, gG  
Cut-off current to a maximum of 4,45 kA  
Joule integral ( $I^2t$ ) to a maximum of 18,5 kA<sup>2</sup>s

**TESTS****Test requirements**

EN IEC 60947-3:2021

**Test result**

The test results are laid down in DEKRA test file 228124700.

**Additional information**

This certificate is based on certificate No. 71-133642.

Type designation of ESDxx: for example ESD4063

The first x denotes the number of phase poles, it can be

10 for 1-Pole

20 for 2-Pole

30 for 3-Pole

40 for 4-Pole

The second x denotes the rated operational current, it can be

40 for 40 A

63 for 63 A

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

ABB Bulgaria EOOD Rakovski Branch

Village of Stryama, Region of Plovdiv, Municipality of Rakovski, Rakovski industrial zone, 14 Industrial

Road 1

4142 Rakovski, Bulgaria