

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: 71-133694

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



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) | : 80 A, 100 A |
| Conditional free air thermal current | : 80 A, 100 A |
| Rated uninterrupted current (Iu) | : 80 A, 100 A |
| Rated conditional short-circuit current | : 25 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-21B |
| Kind of protective device for AC application | : Fuse, NH, size 000, gG Cut-off current to a maximum of 9,2 kA Joule integral (I ² t) to a maximum of 41,2 kA ² s |
| Kind of protective device for DC application | : Fuse, NH, size 000, gG Cut-off current to a maximum of 4,7 kA Joule integral (I ² t) to a maximum of 38,1 kA ² s |

Product data – type ESD20x

| | |
|--|--|
| Number of poles | : 2 poles |
| Kind of current | : AC and DC |
| Rated operational voltage (Ue) | : 415 Vac 60 Vdc |
| Rated frequency | : 50 / 60 Hz or DC |
| Utilization category | : AC-22A DC-21B |
| Kind of protective device for AC application | : Fuse, NH, size 000, gG Cut-off current to a maximum of 9,2 kA Joule integral (I ² t) to a maximum of 48,1 kA ² s |
| Kind of protective device for DC application | : Fuse, NH, size 000, gG Cut-off current to a maximum of 4,3 kA Joule integral (I ² t) to a maximum of 33,0 kA ² 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 9,9 kA Joule integral (I ² t) to a maximum of 45,7 kA ² s |

Product data – type ESD40x

| | |
|--------------------------------|--|
| Number of poles | : 4 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 9,9 kA Joule integral (I ² t) to a maximum of 45,7 kA ² s |

TESTS**Test requirements**

EN IEC 60947-3:2021

Test result

The test results are laid down in DEKRA test file 228114500.

Additional information

This certificate is based on certificate No. 71-133693.

Type designation of ESDxx: for example ESD40100

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

80 for 80 A

100 for 100 A

Conclusion

The examination proved that all requirements were met.

Factory location

Videoton Bulgarian Holdings EOOD

Nikola Petkov Blvd. 10

6000 Stara Zagora, Bulgaria