

# CERTIFICATE

Issued to:  
Applicant:  
**TECO ELECTRIC & MACHINERY CO., LTD.**  
5F, No. 19-9, Sanchong Rd., Nangang Dist.,  
115 Taipei City, Taiwan

Licensee:  
**Zhejiang Chint Electrics Co., Ltd.**  
No. 1, Chint Road, Chint Industrial Zone, North  
Baixiang, Yueqing,  
325603 Zhejiang, China

Product : Switch-disconnectors  
Trade name(s) : TECO  
Type(s)/model(s) : TDS-1600-A

The product and any acceptable variation thereto is 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 the standard(s) EN 60947-3:2009, EN 60947-3:2009/A1:2012, EN 60947-3:2009/A2:2015, IEC 60947-3:2008, IEC 60947-3:2008/A1:2012 and IEC 60947-3:2008/A2:2015
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2032236

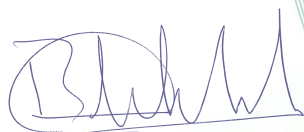
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 4 November 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-121048

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



M. Triulzi  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



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

Product	: Switch-disconnectors
Trade name(s)	: TECO
Type(s)/model(s)	: TDS-1600-A
Number of poles	: 3P
Kind of current	: AC
Rated operational voltage (Ue)	: 415 / 690 Vac
Rated insulation voltage (Ui)	: 1000 V
Rated impulse withstand voltage (Uimp)	: 12 kV
Rated frequency	: 50 / 60 Hz
Rated operational currents (Ie)	: 1600 A
Conventional free air thermal current (Ith)	: equal to Ie
Rated uninterrupted current (Iu)	: equal to Ie
Rated short-time withstand current (Icw)	: 30 kA - 1 s
Rated short-time making capacity (Icm)	: 50 kA
Suitable for isolation	: suitable
Utilization category	: AC-22B
Ambient air temperature	: - 5 °C to 40 °C
Method of mounting	: fixed
Tightening torque for terminals	: 14 Nm
Connection	: copper bar: 100 x 5 mm <sup>2</sup> x 2

**TESTS****Test requirements**

EN 60947-3:2009  
EN 60947-3:2009/A1:2012  
EN 60947-3:2009/A2:2015  
IEC 60947-3:2008  
IEC 60947-3:2008/A1:2012  
IEC 60947-3:2008/A2:2015

**Test result**

The test results are laid down in DEKRA test file 332288500.

**Additional information**

This certificate is based on KEMA-KEUR certificate no. 33-107043 issued on 2019-01-31.

This certificate replaces certificate No. 33-118299 which we hereby declare invalid.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

Zhejiang Chint Electrics Co., Ltd.  
No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing,  
325603 Zhejiang, China