

CERTIFICATE

Issued to:
Applicant:
Zhejiang Changcheng Trading Co.,Ltd.
DianHou Village, Liushi Town
325604 Yueqing City Zhejiang, China

Licensee:
Zhejiang Changcheng Trading Co.,Ltd.
DianHou Village, Liushi Town
325604 Yueqing City Zhejiang, China

Product : Moulded-case circuit-breaker
Trade name(s) : CNC
Type(s)/model(s) : YCM7-250M, YCM7-250S, YCM7RT-250M, YCM7RT-250S, YCM7T/A-250M and YCM7T/A-250S

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 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/AMD1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6064948

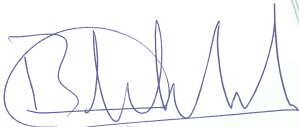
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 9 August 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-129574

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Moulded-case circuit-breaker
Trade name(s)	: CNC
Type(s)/model(s)	: YCM7-250M, YCM7-250S, YCM7RT-250M, YCM7RT-250S, YCM7T/A-250M and YCM7T/A-250S
Number of poles	: 3P or 4P (3P+N, N pole without overcurrent protection)
Rated operational voltage (U _e)	: 400/415 Vac
Rated insulation voltage (U _i)	: 800 V
Rated impulse withstand voltage (U _{imp})	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (I _n)	: 100 A, 125 A, 140 A, 150 A, 160 A, 175 A, 180 A, 200 A, 225 A, 250 A
Conventional thermal current (I _{th})	: Equal to I _n
Current rating for four-pole circuit-breakers	: Equal to I _n
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm Left / Right: 0 mm Up / Down: 50 mm
Time setting of the inverse time delay release	: Fixed trip time at 2 I _n : 30 s ≤ t ≤ 600 s
Reference temperature	: 40 °C or 55 °C
Ambient temperature	: - 5 °C to 40 °C
Method of mounting	: Fixed
EMC Environment	: A and B
Tightening torque for terminals	: M8 / 6 Nm
Line/load terminal	: Marked
Connection	: Prepared copper conductor with cable lug or copper busbars

Product data – type YCM7-250M

Rated ultimate short-circuit breaking capacity (I _{cu})	: 35 kA at 400/415 Vac
Rated service short-circuit breaking capacity (I _{cs})	: 25 kA at 400/415 Vac
Inverse time delay release	: Thermal type, Fixed
Instantaneous release	: Magnetic type, fixed I _i = 10 I _n

Product data – type YCM7-250S

Rated ultimate short-circuit breaking capacity (I _{cu})	: 25 kA at 400/415 Vac
Rated service short-circuit breaking capacity (I _{cs})	: 18 kA at 400/415 Vac
Inverse time delay release	: Thermal type, Fixed
Instantaneous release	: Magnetic type, fixed I _i = 10 I _n

Product data – type YCM7RT-250M

Rated ultimate short-circuit breaking capacity (I _{cu})	: 35 kA at 400/415 Vac
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Rated service short-circuit breaking capacity (Ics) : 25 kA at 400/415 Vac
Inverse time delay release : Thermal type, adjustable
I_r = 0,8 I_n or 1,0 I_n
Instantaneous release : Magnetic type, adjustable
I_i = 6 I_n or 10 I_n

Product data – type YCM7RT-250S

Rated ultimate short-circuit breaking capacity (Icu) : 25 kA at 400/415 Vac
Rated service short-circuit breaking capacity (Ics) : 18 kA at 400/415 Vac
Inverse time delay release : Thermal type, adjustable
I_r = 0,8 I_n or 1,0 I_n
Instantaneous release : Magnetic type, adjustable
I_i = 6 I_n or 10 I_n

Product data – type YCM7T/A-250M

Rated ultimate short-circuit breaking capacity (Icu) : 35 kA at 400/415 Vac
Rated service short-circuit breaking capacity (Ics) : 25 kA at 400/415 Vac
Inverse time delay release : Thermal type, adjustable
I_r = 0,8 I_n or 1,0 I_n
Instantaneous release : Magnetic type, fixed
I_i = 10 I_n

Product data – type YCM7T/A-250S

Rated ultimate short-circuit breaking capacity (Icu) : 25 kA at 400/415 Vac
Rated service short-circuit breaking capacity (Ics) : 18 kA at 400/415 Vac
Inverse time delay release : Thermal type, adjustable
I_r = 0,8 I_n or 1,0 I_n
Instantaneous release : Magnetic type, fixed
I_i = 10 I_n

TESTS**Test requirements**

EN 60947-2:2017
EN 60947-2:2017/A1:2020
IEC 60947-2:2016
IEC 60947-2:2016/AMD1:2019

Test result

The test results are laid down in DEKRA test file 332753300.

Additional information

Nomenclature breakdown:

YCM7 RT - 250 M

a b c d

a - code denoting the series name: YCM7

b - code denoting the type of release: blank means both inverse time delay release and instantaneous release are all fixed or T/A means inverse time delay release is adjustable and instantaneous release is fixed or RT means both inverse time delay release and instantaneous release are all adjustable

c - code denoting the frame size: 250 A

d - code denoting the short-circuit capacity: S or M

The referred test report no. is 3327533.50.

Conclusion

The examination proved that all requirements were met.

Factory location

Changcheng Electrical Group Zhejiang Technology Co., Ltd.

DianHou Village, Liushi Town

325604 Yueqing City Zhejiang, China