

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Moulded-Case Circuit-Breaker

Name and address of the applicant

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

Name and address of the manufacturer

Changcheng Electrical Group Zhejiang Technology Co., Ltd.
DianHou Village, Liushi Town 325604 Yueqing City Zhejiang
China

Name and address of the factory

Changcheng Electrical Group Zhejiang Technology Co., Ltd.
DianHou Village, Liushi Town 325604 Yueqing City Zhejiang
China*Note: When more than one factory, please report on page 2* Additional information on page 2

Ratings and principal characteristics

Ue: 400 / 415 Vac, Ui: 800 V, Uimp: 8 kV
In: 100 A, 125 A, 140 A, 150 A, 160 A, 175 A, 180 A, 200 A, 225 A, 250 A
3P or 4P (3P+N, N pole without overcurrent protection)
See annex for further ratings

Trademark / Brand (if any)

CNC

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

YCM7-250S, YCM7T/A-250S, YCM7RT-250S, YCM7-250M, YCM7T/A-250M,
YCM7RT-250M

Additional information (if necessary may also be reported on page 2)

 Additional information on page 2

A sample of the product was tested and found to be in conformity with

IEC 60947-2:2016, IEC 60947-2:2016/AMD1:2019

As shown in the Test Report Ref. No. which forms part of this Certificate

3327533.50

This CB Test Certificate is issued by the National Certification Body

DEKRA Certification B.V.
Meander 1051
Arnhem, 6825 MJ
Netherlands

Date: 2023-08-02

Signature: F.S.Strikwerda

Ratings

Number of poles	: 3P or 4P (3P+N, N pole without overcurrent protection)
Rated operational voltage (Ue)	: 400/415 Vac
Rated insulation voltage (Ui)	: 800 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 100 A, 125 A, 140 A, 150 A, 160 A, 175 A, 180 A, 200 A, 225 A, 250 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
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 In: $30 \text{ s} \leq t \leq 600 \text{ s}$
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

Ratings – 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

Ratings – type YCM7T/A-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, adjustable I _r = 0,8 I _n or 1,0 I _n
Instantaneous release	: Magnetic type, fixed I _i = 10 I _n

Ratings – type YCM7RT-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, 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

Ratings – 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

Ratings – type YCM7T/A-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, adjustable I _r = 0,8 I _n or 1,0 I _n
Instantaneous release	: Magnetic type, fixed I _i = 10 I _n

Ratings – 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
Ir =0,8 In or 1,0 In
Instantaneous release : Magnetic type, adjustable
Ii =6 In or 10 In

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