CERTIFICATE

Issued to:
Applicant:
Zhejiang Geya Electrical Co., Ltd.
Wenzhou Great Bridge Industrial Park, North
Baixiang Town, Yueqing City
325603 Wenzhou Zhejiang, China

Licensee:
Zhejiang Geya Electrical Co., Ltd.
Wenzhou Great Bridge Industrial Park, North
Baixiang Town, Yueqing City
325603 Wenzhou Zhejiang, China

Product	:	Moulded-Case Circuit-Breaker
Trade name(s)	:	GEYA
Type(s)/model(s)	:	GYCM8-250C, GYCM8-250H, GYCM8-250M, GYCM8-250S, GYCM8RT-250C, GYCM8RT-250H, GYCM8RT-250M and GYCM8RT-250S

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

DEKRA hereby declares that the above-mentioned product has been certified based on:
- a type test according to EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-1:2020, IEC 60947-2:2024 and EN IEC 60947-1:2021
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6068385

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 15 January 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-148245

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Matilde Tonsi
Certification Manager

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

KEMA KEUR

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Moulded-Case Circuit-Breaker
Trade name(s)	:	GEYA
Type(s)/model(s)	:	GYCM8-250C, GYCM8-250H, GYCM8-250M, GYCM8-250S, GYCM8RT-250C, GYCM8RT-250H, GYCM8RT-250M and GYCM8RT-250S
Number of poles	:	3P, 4P (N pole without overcurrent protection)
Rated operational voltage (Ue)	:	380 / 400 / 415 Vac
Rated insulation voltage (Ui)	:	1000 V
Rated impulse withstand voltage (Uimp)	:	8 kV
Rated frequency	:	50/60 Hz
Rated current (In)	:	100, 125, 140, 160, 180, 200, 225, 250 A
Conventional thermal current (Ith)	:	Equal to In
Current rating for four-pole circuit-breakers	:	Equal to In
Selectivity category	:	A
Safety distance (screen-circuit breaker)	:	Up / Down: 80 mm Left / Right: 0 mm Front / Back: 0 mm
Reference temperature	:	40 °C and 55 °C
Method of mounting	:	fixed
EMC environment	:	A and B
Rated tightening torque for terminals	:	M8 / 6 Nm
Line/load terminal	:	Marked
Connection	:	Prepared copper conductor

Product data – type GYCM8RT-250C

Rated service short-circuit breaking capacity (Ics)	:	18 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	25 kA
Inverse time delay release	:	Thermal type, adjustable, Ir = (0,7, 1) x In
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 Ir: 40 s to 1000 s
Instantaneous release	:	Magnetic type, adjustable, Ii = (5, 10) x In

Product data – type GYCM8RT-250H

Rated service short-circuit breaking capacity (Ics)	:	50 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	50 kA
Inverse time delay release	:	Thermal type, adjustable, Ir = (0,7, 1) x In
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 Ir: 40 s to 1000 s
Instantaneous release	:	Magnetic type, adjustable, Ii = (5, 10) x In

Product data – type GYCM8RT-250M

Rated service short-circuit breaking capacity (Ics)	:	35 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	50 kA
Inverse time delay release	:	Thermal type, adjustable, Ir = (0,7, 1) x In

Time setting of the inverse time delay release	:	Fixed, tripping time at 2 Ir: 40 s to 1000 s
Instantaneous release	:	Magnetic type, adjustable, Ii = (5, 10) x In

Product data – type GYCM8RT-250S

Rated service short-circuit breaking capacity (Ics)	:	25 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	35 kA
Inverse time delay release	:	Thermal type, adjustable, Ir = (0,7, 1) x In
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 Ir: 40 s to 1000 s
Instantaneous release	:	Magnetic type, adjustable, Ii = (5, 10) x In

Product data – type GYCM8-250C

Rated service short-circuit breaking capacity (Ics)	:	18 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	25 kA
Inverse time delay release	:	Thermal type, fixed
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 In: 40 s to 1000 s
Instantaneous release	:	Magnetic type, fixed, Ii = 10 In

Product data – type GYCM8-250H

Rated service short-circuit breaking capacity (Ics)	:	50 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	50 kA
Inverse time delay release	:	Thermal type, fixed
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 In: 40 s to 1000 s
Instantaneous release	:	Magnetic type, fixed, Ii = 10 In

Product data – type GYCM8-250M

Rated service short-circuit breaking capacity (Ics)	:	35 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	50 kA
Inverse time delay release	:	Thermal type, fixed
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 In: 40 s to 1000 s
Instantaneous release	:	Magnetic type, fixed, Ii = 10 In

Product data – type GYCM8-250S

Rated service short-circuit breaking capacity (Ics)	:	25 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	35 kA
Inverse time delay release	:	Thermal type, fixed
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 In: 40 s to 1000 s
Instantaneous release	:	Magnetic type, fixed, Ii = 10 In

TESTS

Test requirements
EN 60947-2:2017
EN 60947-2:2017/A1:2020
IEC 60947-1:2020
IEC 60947-2:2024
EN IEC 60947-1:2021

Test result
The test results are documented in DEKRA test file 333221400.

Additional information
Nomenclature breakdown:

GYCM8RT-250 M (b)
a b c d
a = Model name: “GYCM8” means fixed type, “GYCM8RT” means adjustable type
b = Frame size: 250
c = short-circuit capacity: “C”, “S” “M” or “H”
d = Color of Front cover: “w” means white “b”, “b” means Black

The referred test reports are 3332214.50

Conclusion
The examination has confirmed that all requirements were met.

Factory location
Zhejiang Geya Electrical Co., Ltd.
Wenzhou Great Bridge Industrial Park, North Baixiang Town, Yueqing City
325603 Wenzhou Zhejiang, China