

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50582776

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
Y.X.P.

Unser Zeichen *Our Reference*
01-DJL-CN2383BS 001

Ausstellungsdatum *Date of Issue*
25.04.2023 (day/mo/yr)

Genehmigungsinhaber *License Holder*

Zhejiang GEYA Electrical Co., Ltd
Wenzhou Brige Industrial Zone,
Beibaixiang Town, Yueqing City
Zhejiang
P.R. China

Fertigungsstätte *Manufacturing Plant*

Zhejiang GEYA Electrical Co., Ltd
Wenzhou Brige Industrial Zone,
Beibaixiang Town, Yueqing City
Zhejiang
P.R. China

Prüfzeichen *Test Mark*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 1111268103

Geprüft nach *Tested acc. to*
EN 60947-2:2017+A1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Moulded case circuit breaker (Moulded Case Circuit Breaker)

Type Designation : GYCM8-ab

a=630,700,800,900,1000 or 1250, means rated current
b=M or H, means breaking capacity

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Selectivity Category : A
Type of Release : Thermo-magnetic
Reference Temperature : +40°C
Number of Poles : 3P, 3P+N, 4P
Rated Operational Voltage : 1)AC400/415V, 2)AC500V, 3)AC690V
Rated Current(In) : 630/700/800/900/1000/1250A
Rated Ultimate Short-circuit
Breaking Capacity(Icu) : Type H: 1)70kA; 2)3)15kA
Type M: 1)50kA; 2)3)15kA
Rated Service Short-circuit
Breaking Capacity(Ics) : Type H: 1)50kA; 2)3)15kA
Type M: 1)36kA; 2)3)15kA
Rated Impulse Withstand
Voltage(Uimp) : 12,0kV
Rated Insulation Voltage : 1000V
Suitability for Isolation : Yes; No for 3P+N

ANLAGE (Appendix): 1

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Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

http://www.tuv.com/safety E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifizierungsstelle



Wencai Zhang

Zhejiang GEYA Electrical Co., Ltd
Ye Xiaopeng general manager

Date : 25.04.2023
Our ref. : DJL 01
Your ref.: Y.X.P.

Wenzhou Brige Industrial Zone,
Beibaixiang Town, Yueqing City
Zhejiang
P.R. China

Ref : R TÜV-Mark Approval

Type of Equipment : Moulded Case Circuit Breaker
Model Designation : See Certificate
Certificate No. : R 50582776 0001
Report No. : CN2383BS 001

Dear Ye Xiaopeng,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body



Wencai Zhang

cc: Zhejiang GEYA Electrical Co., Ltd

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2014/35/EU

Registration No.: AN 50582834 0001

Report No.: CN2383BS 001

Holder: Zhejiang GEYA Electrical Co., Ltd
Wenzhou Brige Industrial Zone,
Beibaixiang Town, Yueqing City
Zhejiang
P.R. China

Product: Moulded case circuit breaker
(MCCB)

Identification: Type Designation : GYCM8-ab
a=630,700,800,900,1000 or 1250, means rated current
b=M or H, means breaking capacity

Serial No. : Engineering sample

Remark: Issued in conjunction with TÜV Rheinland license
R 50582776 0001.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

Date 25.04.2023

A blue ink signature of Wencai Zhang over a circular blue stamp. The stamp contains the text 'TÜV Rheinland LGA Products GmbH' and 'TÜV Rheinland' with a stylized triangle logo in the center.
Wencai Zhang

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

Zhejiang GEYA Electrical Co., Ltd
Ye Xiaopeng, general manager

Date : 25.04.2023
Our ref. : DJL 01
Your ref.: Y.X.P.

Wenzhōu Brige Industrial Zone,
Beibaixiang Town, Yueqing City
Zhejiang
P.R. China

Ref : AN Certificate of Conf. Low Voltage D.

Type of Equipment : MCCB
Model Designation : See Certificate
Certificate No. : AN 50582834 0001
Report No. : CN2383BS 001

Dear Ye Xiaopeng,

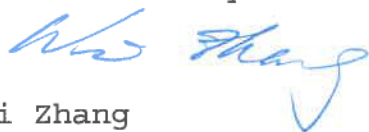
We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body



Wencai Zhang

CC: Zhejiang GEYA Electrical Co., Ltd

Enclosure

证书的详细资料请登陆www.certipedia.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询



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Certificate No. R50582776 0001

Our Reference 01-DJL-CN2383BS 001

Appendix No. 1

Constructional Data Form (CDF) for Circuit Breakers IEC/EN 60947-2

Page 1 of 6

License holder:
(full address) Zhejiang GEYA Electrical Co., Ltd
Wenzhou Brige Industrial Zone, Beibaixiang Town, Yueqing City,
Zhejiang, P.R. China

Factory:
(full address) Zhejiang GEYA Electrical Co., Ltd
Wenzhou Brige Industrial Zone, Beibaixiang Town, Yueqing City,
Zhejiang, P.R. China

Kind of device: Moulded Case Circuit Breaker

Type or Model Number: GYCM8-1250M, GYCM8-1250H, GYCM8-1000M, GYCM8-1000H,
GYCM8-900M, GYCM8-900H, GYCM8-800M, GYCM8-800H,
GYCM8-700M, GYCM8-700H, GYCM8-630M, GYCM8-630H

Specification [Main – Circuit]				
Type designation		GYCM8-1250M, GYCM8-1250H, GYCM8-1000M, GYCM8-1000H, GYCM8-900M, GYCM8-900H, GYCM8-800M, GYCM8-800H, GYCM8-700M, GYCM8-700H, GYCM8-630M, GYCM8-630H		
Intended for use		☒ AC systems ☐ DC systems ☐ photovoltaic (PV) systems		
Nature of supply		AC		
Number of poles		3P, 3P+N, 4P		
Number of protection pole		3		
Contact material		Moving contact: AgW50; Static contact: AgWC12C3		
Rated current	In	630A, 700A, 800A, 900A, 1000A, 1250A		
Conventional free air thermal current	Ith	Same as In		
Conventional enclosed thermal current	Ithe	N/A		
Reference temperature	-	+40°C		
Rated frequency	-	50/60Hz		
Rated operational voltage	Ue	AC400/415V	AC500V	AC690V
Rated ultimate short-circuit breaking capacity	Icu	Type M: 50kA Type H: 70kA	Type M: 15kA Type H: 15kA	Type M: 15kA Type H: 15kA

TÜV Rheinland Group

01.04.2023
(Date)

Amber Dor
(Signature)

(Place)

(Date)

(Stamp and Signature of Applicant)



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Rated service short-circuit breaking capacity	Ics	Type M: 36kA Type H: 50kA	Type M: 15kA Type H: 15kA	Type M: 15kA Type H: 15kA
Rated ultimate short-circuit making capacity (IEC 60947-2: Icm = Icu x n)	Icm	Type M: 105kA Type H: 154kA	Type M: 30kA Type H: 30kA	Type M: 30kA Type H: 30kA
Individual pole short-circuit breaking capacity	I _{su}	N/A		
Rated short-time withstand current	I _{cw}	N/A		
Rated insulation voltage	U _i	1000V		
Rated impulse withstand voltage	U _{i mp}	12 kV		
Selectivity category		A		
Interruption medium	-	☒ air	☐ vacuum	☐ gas
Provision of maintenance	-	☐ maintainable	☒ non maintainable	
Design	-	☐ open construction	☒ moulded case	
Method of installation	-	☒ fixed	☒ plug in	☐ withdrawable
Type of release	-	☒ thermo-magnetic	☐ electronic	☐ magnetic
Suitability for using in IT system	-	☐ yes	☒ no	
Suitability for isolation	-	☒ yes		
Reversibility of connection	-	☐ reversible	☒ non-reversible, Line/Load marked	
Electromagnetic compatibility (EMC)		☐ Environment A	☐ Environment B	
Overvoltage category		Overvoltage category III		
Pollution degree		3		
IP code		IP20(on operating surface)		

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01.04.2023

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(Place)

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Circuit-breaker for use on
phase-earthed systems

☐ yes

☒ no

Specification [Control - Circuit]

	Shunt releases		Under-voltage releases	
Type designation	-		-	
Rated insulation voltage (Ui)	-		-	
Rated impulse withstand voltage (Uimp)	-		-	
Kind of current/rated frequency	-	-	-	DC / -
Rated control circuit voltage (Uc)	-	-	-	- V
Rated control supply voltage (Us)	-	-	-	-

Specification [Control - Circuit]

	Motor-operators		Closing coils	
Type designation	-		-	
Rated insulation voltage (Ui)	-		-	
Rated impulse withstand voltage (Uimp)	-		-	
Kind of current/rated frequency	-	-	-	-
Rated control circuit voltage	-	-	-	-
Rated control supply voltage	-	-	-	-

Specification [Auxiliary - Circuit]

Type designation	-		
Contact configuration	-		
Utilization category	-	-	
Operational voltage	-	-	
Operational current	-	-	

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Conventional free air thermal current	-
Frequency	-
Rated conditional short-circuit current	-
Short circuit protective device	-

Terminals [Main circuit]	
Type designation	GYCM8-1250M, GYCM8-1250H, GYCM8-1000M, GYCM8-1000H, GYCM8-900M, GYCM8-900H, GYCM8-800M, GYCM8-800H, GYCM8-700M, GYCM8-700H, GYCM8-630M, GYCM8-630H
Terminal designation, main circuit	N/A
Type of terminal, main circuit	Lug
Connectable cross-sections of copper conductors mm ²	2(80×5)- 240×2
Type of conductor	Copper bars
Required preparation of the conductor	prepared conductor
Stripping length (mm)	N/A
Tightening torque, main circuit (Nm)	10,0Nm
Tightening torque, control circuit (Nm)	-
Material/plating terminal, main circuit	Copper plated silver
Material/plating terminal, control circuit	N/A

Releases:

Type designation	GYCM8-1250M, GYCM8-1250H, GYCM8-1000M, GYCM8-1000H, GYCM8-900M, GYCM8-900H, GYCM8-800M, GYCM8-800H, GYCM8-700M, GYCM8-700H, GYCM8-630M, GYCM8-630H
Shunt release	N/A
Over current release	Yes
a) Instantaneous	Yes
b) definite time delay	N/A
c) Inverse time delay	Yes
-Independent of previous load	N/A

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-Dependent on previous load	Yes
Undervoltage release (for opening)	N/A
Other releases	N/A
Characteristics :	N/A
1) Shunt release and undervoltage release (for opening)	N/A
- rated control circuit voltage: U_c (nature, frequency, V)	N/A
- kind of current	N/A
- rated frequency: (if AC)	N/A
2) Over-current release	See below
- rated current	630A, 700A, 800A, 900A, 1000A, 1250A
- kind of current	AC
- rated frequency: (if AC)	50/60Hz
- current setting (or range of settings)	$I_i=10I_n\pm 20\%$ or $12I_n\pm 20\%$; $I_r=I_n$
- time settings (or range of settings)	$T_r(@2I_r)\leq 10\text{min}$

Part name	Material name/Manufacturer	Type designation	CTI (minium)	Material Group
Base	Yueqing Kemah Electrical Appliance Manufacturing Co. Ltd Yueqing Xinhong Electrical Parts Factory	DMC	400V	II
Handle	Yueqing Kemah Electrical Appliance Manufacturing Co. Ltd Yueqing Xinhong Electrical Parts Factory	PA6 1) cool gray: PT COOL gray 10 C+ Face cap: (cool gray)PT cool gray 4u 2) black: PT Black 3C+ Cover:(cool gray) PT COOL GRAY 1C 3) red: PT 186C+ Cover:(cool gray) PT cool gray 10c)	175V	IIIa

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Terminal Figure

Pillar terminal	☐	☐	☐	☐	☐	☐	☐	☐
								Other
Screw terminal	☐	☐	☐	☐				
Stud terminal	☐	☐						
Saddle terminal	☐	☐						
Lug terminal	☐	☒						

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