

Distributeur : JBG-METAFIX



产品系列/Product Family: 电力保险丝/Power fuses

零件系列/Part Series: RM05(N)G



- 结构 / Construction:**

 - 管子 / Tube: 陶瓷管 / Ceramic
 - 铜帽 / Caps: 铜镀镍 / Brass with Ni plating
 - 外铜帽/
 - 填充物 / Filler: 石英砂 / Quartz Sand
 - 熔体/Melt: 合金带/Alloy strips
- 特征 / Features:**

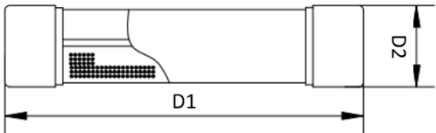
 - 快速 /fast
 - 额定电流 / Rated current, 10A~40A
 - 额定电压 / Rated Voltage, 500V AC DC
 - 分断能力 / Breaking capacity
500V DC&20KA/ 500V AC&30KA
 - 质量 / Mass: RM05(N)G XXA 500VACDC: 3.3g
 - 不含PFAS / PFAS Free
 - 符合 RoHS 规定无豁免 / RoHS Compliant without exemptions

描述 / Description:

RM05(N)G 系列小型保险丝，适用于数字仪表(工业用)、工业电源、通讯电源等各式交直电源 。

RM05(N)G series Miniature-Fuse, used in Digital Measuring Instruments (Industrial) 、Industrial and communication power supply and other ACDC power supplies.

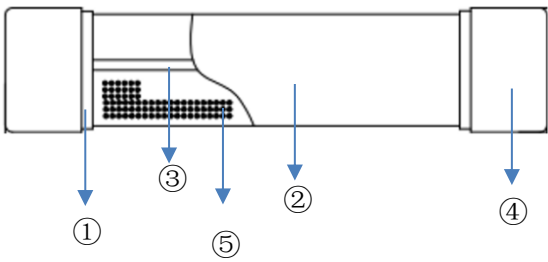
产品尺寸 / Product Dimensions



单位/unit:
(mm)

尺寸 (mm) / Size (mm)	D1	D2
RM05(N)G XXA 500VACDC	32.8±0.8	6.68±0.2

产品结构 / Product Construction



根据上面的产品尺寸图标注 / Callouts per Product Dimensions diagram above

编号 / No.	组件 / Component	材质 / Material	数量 / Quantity
1	铜帽 / Bronze cap	铜镀镍 / Brass with Ni plating	2
2	本体 / Body	陶瓷管 / Ceramic Tube	1
3	熔体 / Melt	合金 / Alloy	1
4	平铜帽 /Outer brass cap	铜镀镍 / Brass with Ni plating	2
5	填充 / Filler	石英砂 / Quartz Sand	/

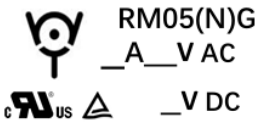
零件编号 / Part Numbering: RM05(N)G XXA 500VACDC

序列 Series Number	额定电流 Rated Current	额定电压 Rated Voltage
RM05(N)G	10A, 12A, 15A, 16A, 20A, 25A, 30A, 35A, 40A	500VACDC

标示 / Marking

• 保险丝本体上需有下列标示 /The following markings must be displayed on the fuse body

- ①：制造工厂的商标；
Logo of the manufacturing facility;
- ②：额定电流+额定电压；
Rated current + rated voltage



注意/Note:

- 1.对标示的大小和位置没有规定/Size and position of the markings shall not be provided.
2. 商标符号®如果不清晰，则可以省略/ If the trademark symbol ® is not clear, it can be omitted.

熔断/电流特性 Fuse/current characteristics

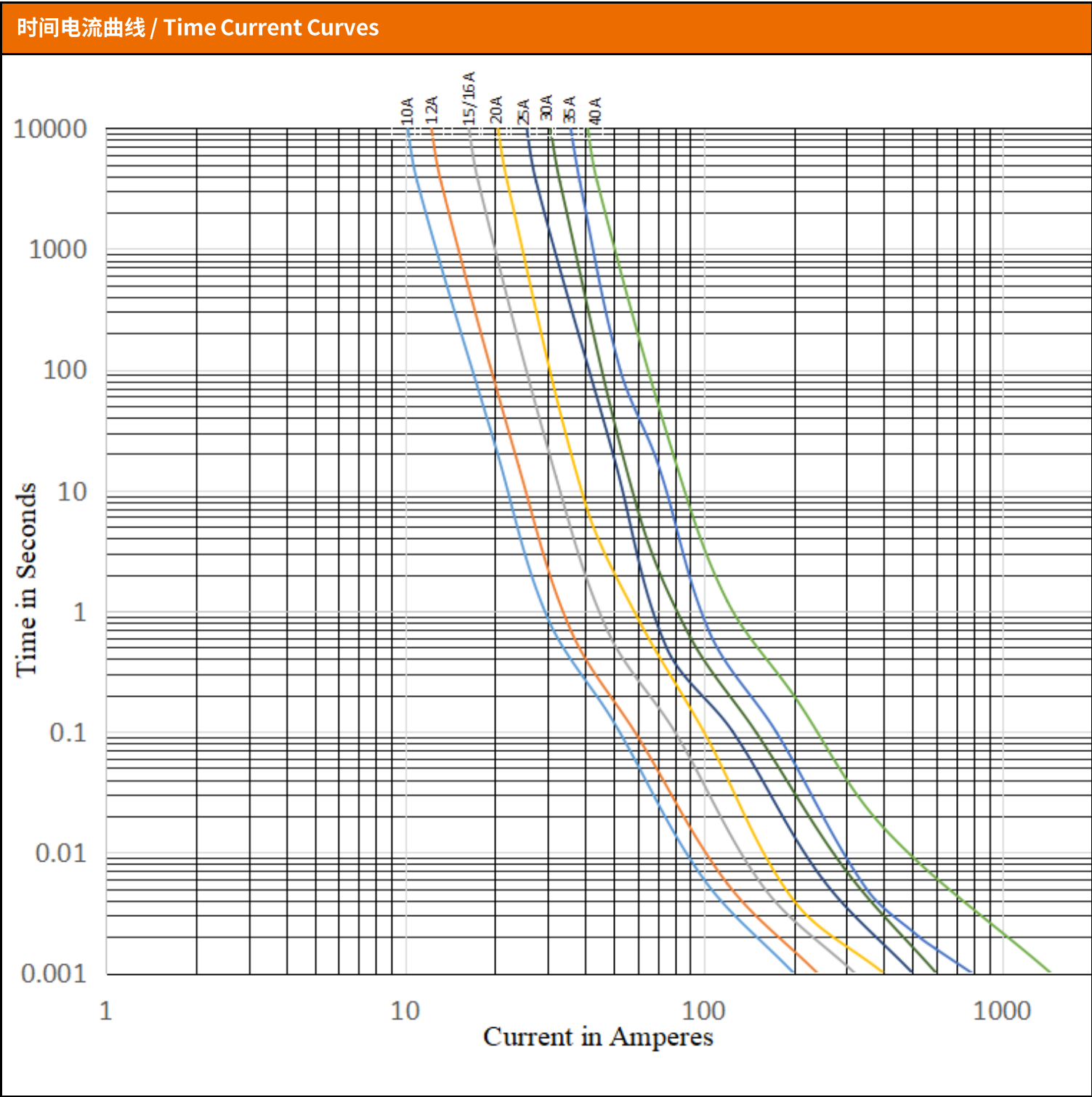
额定电流 / Rated Current	1 In	2 In	3 In	10 In
	Min	Max	Max	Max
10A~40A	4H	300s	10s	1s

电气规格 / Electrical Specifications

额定电流 / Rated Current	冷电阻范围 / Cold Resistance Range	电压降 / Typical Voltage (mV)	I²t值 Typical value A²Sec	分断能力 / Breaking Capacity
10A	9.45~17.55mΩ	250	12	30KA@500VAC 20KA@500VDC
12A	9.45~17.55mΩ	260	16	
15A	7.49~13.91mΩ	280	80	
16A	7.49~13.91mΩ	300	90	
20A	5.18~9.62mΩ	300	150	
25A	3.50~6.5mΩ	280	220	
30A	2.94~5.46mΩ	300	270	
35A	2.45~4.55mΩ	310	650	
40A	2.02~3.67mΩ	280	2080	

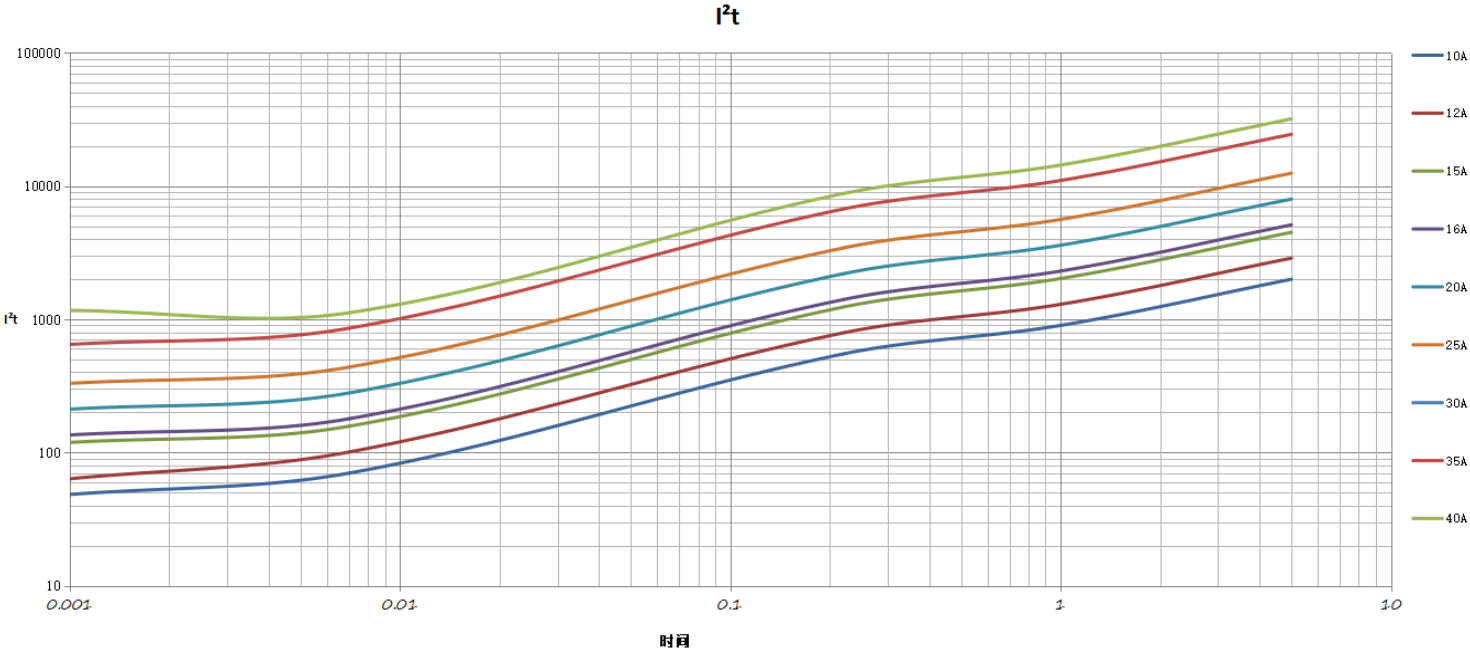
注：此I2T值为产品10In时的参考值/This I2T value is a reference value for the product at 10In

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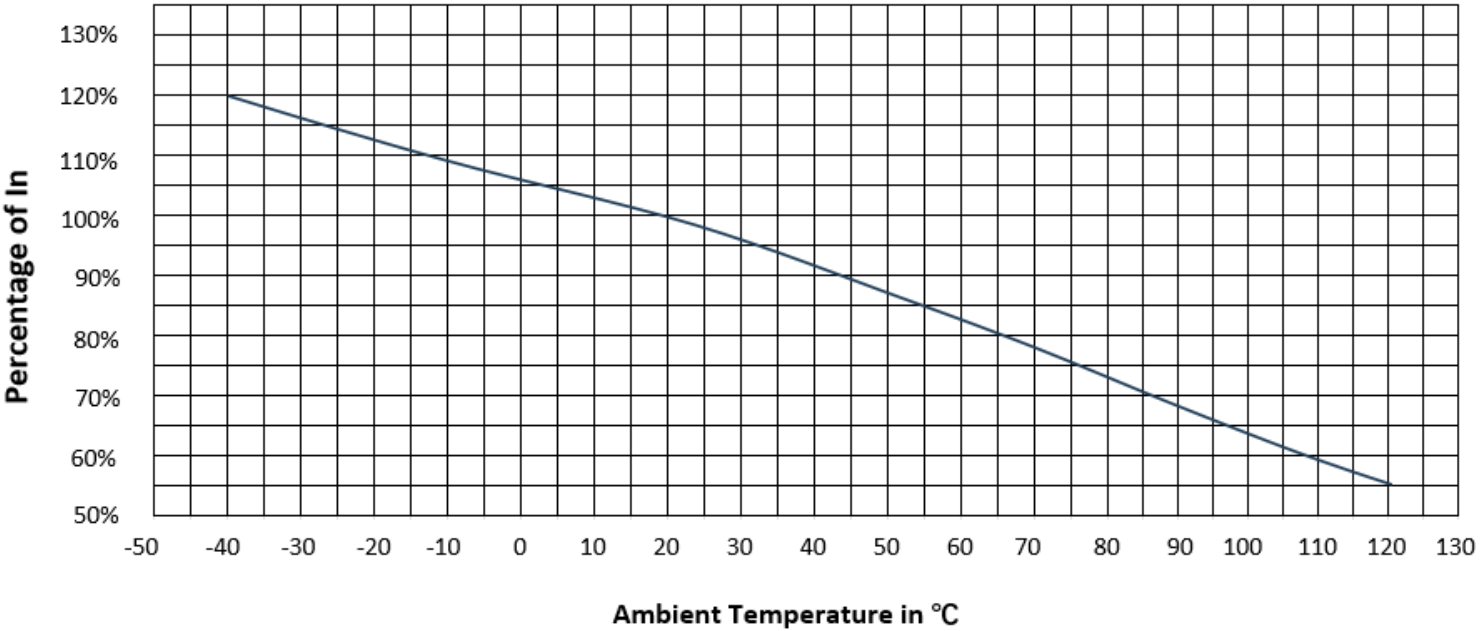
I²t-T 曲线 / I²t-T Curves

Ex:



温度电流曲线 / Temperature Current Curve

Temperature Re-Rating Curve



环境特性 / Environmental Characteristic

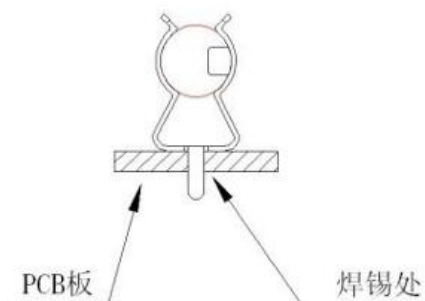
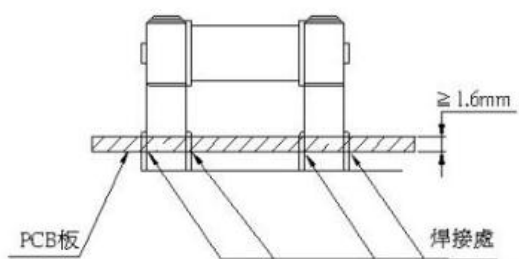
- 操作温度范围
Operating Temperature - 55°C ~ +125°C
- 选择保险丝规格时，若使用环境温度超出范围20~30°C，需考虑环境温度对保险丝的影响，请参考上表。
When choosing the fuse's specification, if the operating environmental temperature is 20~30°C beyond the range, consider the environmental temperature's effects on the fuse. Please refer to the table above.

安全认证及编号 / Standards and Approvals

UL	E56092 (10A~40A)
TUV	J 50615763 (10A~40A)

安装方法及参数 / Installation Method and Parameters

- 满足所需尺寸的建议安装方法如下图所示 / The proposed installation methods that satisfy the required size are pictured below.



建议客户焊接参数 / Recommended Customer Soldering Parameters

- 波峰焊参数 / Wave soldering parameters
- 锡炉温度 / Solder pot temperature: 260°C Max
- 焊接时间 / Welding time: 2~5s
- 手工焊参数 / Manual soldering parameters
- 烙铁温度 / Soldering iron temperature: 350±5°C
- 焊接时间 / Welding time: 5s Max

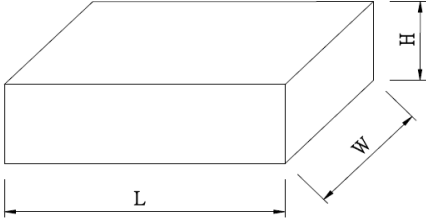
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包装 / Packaging

- 每袋装50个保险丝，每内盒装250个保险丝。
Each bag contains 50 fuses, Each inner box contains 200fuses.
- 每箱 20 盒 = 每箱5000pcs
20 boxes per carton=5000 pcs per case

内盒包装 / Inner Box of Packing

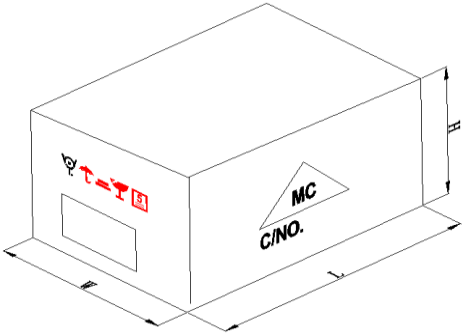
内盒/ Inner box



单位 / Unit: mm

类别 / Category	L	W	H
RM05(N)G	157±3	124±3	84±3

外包装箱 / Outer Box of Packing



单位/Unit:mm

类别 / Category	L	W	H
RM05(N)G	451±5	345±5	275±5

储存条件 / Storage Conditions

- 在温度+10°C~60°C、相对湿度 $\leq 75\%$ 的密闭条件下可存放3 年
It can be stored for 3 years under closed conditions with temperature +10°C~60°C and relative humidity $\leq 75\%$.
- 在温度+10°C~60°C、相对湿度为95%的非露天下最多可存放30 天
It can be stored in the open air for up to 30 days at a temperature of +10°C~60°C and a relative humidity of 95%..

其他 / Others

- 如果在使用中有超出本规格书的要求，必须经由双方协商确认。
If the requirements of this specification are exceeded in use, it must be confirmed by negotiation between the two parties.
- 如果本规格书有不适当的情况，必须通过双方协商并由本公司修改。
If there is any inadequacy in this specification, it must be revised by the Company through consultation between the two parties.

Distributeur : JBG-METAFIX

Model RM05(N)x

File Number: E56092

COMPANY

SUZHOU WALTER ELECTRONIC CO LTD
NO.99 Xinli Road
Fenhu Technic Development Zone
Wujiang, Jiangsu 215211 China

MODEL INFO

RM05(N)x x= A-Z or blank, represents the customer code.
Supplemental fuses: filled-tube, cartridge enclosed

SUPPLEMENTAL FUSES	额定值
Micro Fuse	No
Pigtail Leads	No
Surface Mount	No
Cartridge Enclosed	Yes
Time Delay	No
Paper Tube	No
Filled Tube	Yes
OD - Length	6.4 mm
Length - Width	31.8 mm

RATING TABLE				
Amps Minimum (A)	Amps Maximum (A)	Voltage (V)	Voltage Source	Interrupting Rating (A)
10	12	500	dc	1000
15	16	500	dc	1000
20	40	500	dc	1000
45	45	500	dc	1000

RATING TABLE				
Amps Minimum (A)	Amps Maximum (A)	Voltage (V)	Voltage Source	Interrupting Rating (A)
10	12	500	dc	20,000
15	16	500	dc	20,000
20	40	500	dc	20,000
45	45	500	dc	20,000
10	12	500	ac	10,000
15	16	500	ac	10,000
20	40	500	ac	10,000
45	45	500	ac	10,000
10	12	500	ac	30,000
15	16	500	ac	30,000
20	40	500	ac	30,000
45	45	500	ac	30,000

Report Date: 2024-02-06

Revision Date: 2025-07-25

并不是所有出现在本数据库中的公司名称和产品都满足了UL 跟踪检验服务的要求。只有带有 UL 标志的产品，才应该被视为经过UL认证，并满足UL 跟踪检验服务的要求。注意查看产品上的标志。

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Zertifikat
 mit überwachter Konformität

Certificate
 of surveyed conformity

Zertifikat Nr. Certificate No.
 J 50615763

Blatt Sheet
 0001

Ihr Zeichen Client Reference
Unser Zeichen Our Reference
 05-RBI-CN23X3VK 001

Ausstellungsdatum

19.01.2024

Date of Issue

(day/mo/yr)

Genehmigungsinhaber License Holder

 Suzhou Walter Electronic Co., Ltd.
 Fenhu Technic Development Zone, Luxu
 Wujiang City
 Jiangsu
 P.R. China

Fertigungsstätte Manufacturing Plant

 Suzhou Walter Electronic Co., Ltd.
 Fenhu Technic Development Zone, Luxu
 Wujiang City
 Jiangsu
 P.R. China

Prüfzeichen Test Mark

 Safety
 Regular
 Production
 Surveillance

 www.tuv.com
 ID 1111279797

Geprüft nach Tested acc. to

 EN 60127-1:2006+A1+A2 EN 60127-7:2016
 IEC 60127-1:2006+A1+A2 IEC 60127-7:2015
 (Except for cl.9.1 and cl.9.5)

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)
Lizenzentgelte - Einheit
License Fee - Unit

(Miniature fuse-links)

Type Designation	: RM05(N)x RM05x	15
	x = A-Z or blank	
Trademark	: Walter(Logo)	
Rated Voltage	: AC/DC 500V	
Rated Current(In)	: 10A, 12A, 15A, 16A, 20A, 25A, 30A, 40A	
T/I Characteristic	: 2In: ≤5min, 10In: ≤1s	
Rated Breaking Capacity	: 10kA at AC 500V, 30kA at AC 500V 1000A at DC 500V, 20kA at DC 500V	
Dimension	: RM05(N)x: 6.4mmx31.8mm, without wire termination RM05x: 6.83mmx32.8mm, with wire termination	

Remark : The labelling requirements acc. to EU Directive 2001/95 have to be observed for distribution within the EEA.

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ANLAGE (Appendix) : 1

 Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
 Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
 This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production 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

G. Yin

Zertifikat
 mit überwachter Konformität

Certificate
 of surveyed conformity

Zertifikat Nr. Certificate No.
 J 50615763

Blatt Sheet
 0002

Ihr Zeichen Client Reference
Unser Zeichen Our Reference
Ausstellungsdatum
Date of Issue

05-RBI-CN23X3VK 002

08.01.2025

(day/mo/yr)

Genehmigungsinhaber License Holder

 Suzhou Walter Electronic Co., Ltd.
 Fenhu Technic Development Zone, Luxu
 Wujiang City
 Jiangsu
 P.R. China

Fertigungsstätte Manufacturing Plant

 Suzhou Walter Electronic Co., Ltd.
 Fenhu Technic Development Zone, Luxu
 Wujiang City
 Jiangsu
 P.R. China

Prüfzeichen Test Mark

 Safety
 Regular
 Production
 Surveillance

 www.tuv.com
 ID 1111279797

Geprüft nach Tested acc. to

 EN 60127-1:2006+A1+A2 EN 60127-7:2016
 IEC 60127-1:2006+A1+A2 IEC 60127-7:2015
 (Except for cl.9.1 and cl.9.5)

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)
Lizenzentgelte - Einheit
License Fee - Unit

(Miniature fuse-links)

as page 0001

Addiion

 Rated Current (In) : 35A
 Rated Voltage (Un) : AC/DC 250V/500V
 Rated Breaking Capacity : 10kA at AC 500V, 30kA at AC 500V
 1000A at DC 500V, 20kA at DC 500V
 1500A at AC/DC 250V

ANLAGE (Appendix): 1.1

 Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
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Zertifizierungsstelle

Audrey Wang

Zertifikat
 mit überwachter Konformität

Certificate
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Zertifikat Nr. Certificate No.
 J 50615763

Blatt Sheet
 0003

Ihr Zeichen Client Reference	Unser Zeichen Our Reference	Ausstellungsdatum Date of Issue
	05-yuansim-CN23X3VK 004	16.09.2025 (day/mo/yr)

Genehmigungsinhaber License Holder

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 Fenhu Technic Development Zone, Luxu
 Wujiang City
 Jiangsu
 P.R. China

Fertigungsstätte Manufacturing Plant

 Suzhou Walter Electronic Co., Ltd.
 Fenhu Technic Development Zone, Luxu
 Wujiang City
 Jiangsu
 P.R. China

Prüfzeichen Test Mark

Geprüft nach Tested acc. to

 EN 60127-1:2006+A1+A2 EN 60127-7:2016
 IEC 60127-1:2006+A1+A2 IEC 60127-7:2015
 (Except for cl.9.1 and cl.9.5)

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)
Lizenzentgelte - Einheit
License Fee - Unit

(Miniature fuse-links)

as pages 0001-0002

Addition

Rated Current (In)	: 45A
Rated Voltage (Un)	: AC/DC 500V
Rated Breaking Capacity	: 10kA at AC 500V, 30kA at AC 500V 1000A at DC 500V, 20kA at DC 500V

ANLAGE (Appendix): 1.2

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 Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
 This certificate is based on our Testing and Certification Regulation. The product
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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


Sarah Chen