

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50139138

Blatt *Page*
0002

Ihr Zeichen *Client Reference*

G.W.

Unser Zeichen *Our Reference*

02-CHENAND- 02124060 006 30.12.2010

Ausstellungsdatum

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Tyco Electronics (Shenzhen)
Co., Ltd.
Tyco Electronics Technology
Park, Shiyan Street, Baoan District
Shenzhen, Guangdong 518108
P.R. China

Fertigungsstätte *Manufacturing Plant*

Tyco Electronics (Shenzhen)
Co., Ltd.
Tyco Electronics Technology
Park, Shiyan Street, Baoan District
Shenzhen, Guangdong 518108
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 61810-1:2008
IEC 61810-1:2008

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relay (Electromechanical Elementary Relay)

as page 0001

Change

Test Requirement : see above

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
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Zertifizierungsstelle



Dipl.-Ing. C. Nasca

Tyco Electronics (Shenzhen) Co.,
Ltd.
Mr. Gao Wei

Date : 30.12.2010
Our ref. : CHENAND 02
Your ref.: G.W.

-
Tyco Electronics Technology
Park, Shiyan Street, Baoan District
Shenzhen, Guangdong 518108
P.R. China

Ref : R TÜV-Mark Approval

Type of Equipment : Electromechanical Elementary Relay
Model Designation : See Certificate
Certificate No. : R 50139138 0002
Report No. : 02124060 006

Dear Mr. Gao Wei,

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

Enclosed you will find the certificate of approval.

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

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

Please contact our office for approval of your new products.

With kind regards,

Certification Body



Dipl.-Ing. C. Nasca

Enclosure

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50139138

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0001

Ihr Zeichen *Client Reference*
G.W.

Unser Zeichen *Our Reference*
02-CHENAND- 02124060 005 05.11.2008

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

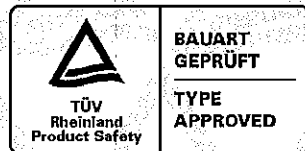
Genehmigungsinhaber *License Holder*

Tyco Electronics (Shenzhen)
Co., Ltd.
Tyco Electronics Technology
Park, Shiyan Street, Baoan District
Shenzhen, Guangdong 518108
P.R. China

Fertigungsstätte *Manufacturing Plant*

Tyco Electronics (Shenzhen)
Co., Ltd.
Tyco Electronics Technology
Park, Shiyan Street, Baoan District
Shenzhen, Guangdong 518108
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 61810-1:2004
IEC 61810-1:2003

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relay (Electromechanical Elementary Relay)

Type Designation : OMIH-X2-1X4LM, xxxxxxx
(OEG) (SCHRACK) (Potter & Brumfield)
(P & B) (tyco) (Tyco Electronics)
X2 = SS or SH
X4 = 03, 05, 06, 09, 12, 24 or 48
represents coil voltage in V
x = 0-9, a-z, A-Z or Blank

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Rated Contact Voltage : AC 240V
Rated Contact Current : 16A
Electrical Endurance : 100,000 operations
at 1,200 operations/h
Mechanical Endurance : 10,000,000 operations
at 72,200 operations/h
Pollution Degree : 2
Ambient Temperature : -30°C to 85°C

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.

Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



Certificate No. R 50139138 0001 Our Reference 02-CHENAND- 02124060 005 Appendix No. 1
Constructional Data Form (CDF) for Electromechanical Relay

Page 1 of 4

License holder	: Tyco Electronics (Shenzhen) Co., Ltd. Tyco Electronics Technology Park, Shiyan Street, Baoan District Shenzhen, Guangdong Province 518108, P.R.China
Factory	: Tyco Electronics (Shenzhen) Co., Ltd. Tyco Electronics Technology Park, Shiyan Street, Baoan District Shenzhen, Guangdong Province 518108, P.R.China
Type of Appliance	: Electromechanical Elementary Relay
Type Designation	: OMIH-X2-1X4LM, xxxxxx series (see type nomenclature on page 3)

Specification (contact-circuit)

Model name	OMIH-X2-1X4LM, xxxxxx
Contact material	AgSnO
Contact loading schematic	Single-pole, One make contact
Rated voltage	AC 240V
Rated current	16A
cos φ	1
L/R	---
frequency if a.c.	50Hz
Number of electrical cycles	100,000 cycles(at 1,200 cycles/hour)
Ambient temperature	-30°C ~ +85°C
Duty factor	50%
Number of mechanical cycles	10,000,000 cycles (72,000 cycles/hour)

Specification (coil-circuit)

Rated coil voltage	DC 3V	DC 5V	DC 6V	DC 9V	DC12V	DC24V	DC48V
Coil resistance at 20°C	17Ω	47Ω	68Ω	155Ω	270Ω	1,100Ω	4,400Ω
Rated coil power (mW)	540mW						
Operative range of coil voltage	<input checked="" type="checkbox"/> class 1: 80% to 110% of rated coil voltage <input type="checkbox"/> class 2: 85% to 110% of rated coil voltage						
Thermal insulation class	F (155°C)						

Specification (general)

Type of environment protection	<input type="checkbox"/> RT 0 <input type="checkbox"/> RT I <input checked="" type="checkbox"/> RT II <input checked="" type="checkbox"/> RT III <input type="checkbox"/> RT IV <input type="checkbox"/> RT V
Overvoltage category	III
Impulse withstand voltage	8000V (coil - contact)
Pollution degree	2

TÜV Rheinland Group

2008-Oct-22

Andy Chen



Date

Name

Signature


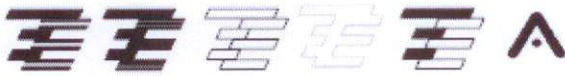


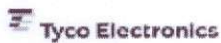
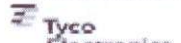

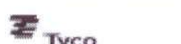
Certificate No. R 50139138 0001 Our Reference 02-CHENAND- 02124060 005 Appendix No. 1

Constructional Data Form (CDF) for Electromechanical Relay

7. **Additional Numbers and/or letters:**

x = 0 - 9, a - z, A - Z, or blank, which does not represent electrical changes, only for specific customer requirements.

Trademarks

OEG	SCHRACK
P & B	Potter & Brumfield
<i>tyco / Electronics</i>	Potter & Brumfield
OEG	SCHRACK
P&B	tyco
<p>Tyco Electronics </p> <p>Tyco Electronics </p> <p> Tyco Electronics  Tyco Electronics</p> <p> Tyco Electronics  Tyco Electronics</p> <p> Tyco Electronics  Tyco Electronics</p>	