

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50215857

Blatt *Page*
0003

<i>Ihr Zeichen Client Reference</i>	<i>Unser Zeichen Our Reference</i>	<i>Ausstellungsdatum</i>	<i>Date of Issue (day/mo/yr)</i>
W.H.	01-MN- 15046866 002	23.10.2012	

Genehmigungsinhaber *License Holder*

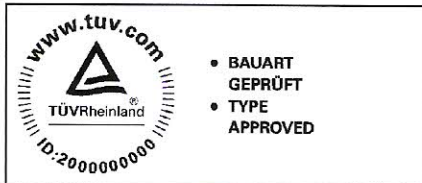
Hasco Relays and Electronics
Int'l Corp
906 Jericho Turnpike
New Hyde Park
New York 11040
USA

Fertigungsstätte *Manufacturing Plant*

HASCO(SUZHOU) ELECTRONICS
CO., LTD.
Building No.13, EDI Processing
District (Pangjin Road)
Wujiang Economic Development Zone
Jiangsu 215200
P.R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 61810-1:2008



Zertifiziertes Produkt *(Geräteidentifikation)*
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relais (Electromechanical Elementary Relays)

as page 0001

Addition

Type Designation:1) SPRxly16DCzuv	2
2) SPRxly12DCzuv	1
x = F or Blank	1
y = A; B or C	1
z = 5; 6; 12; 24; 48; 60 or 110	1
u = K or R	1
v = 0-99999 or Blank (See Appendix 1.1)	1

Contact Rating : AC 240V; 50/60Hz
1) 16A of Make Contact
12A of Break Contact
2) 12A of Make Contact
10A of Break Contact

8

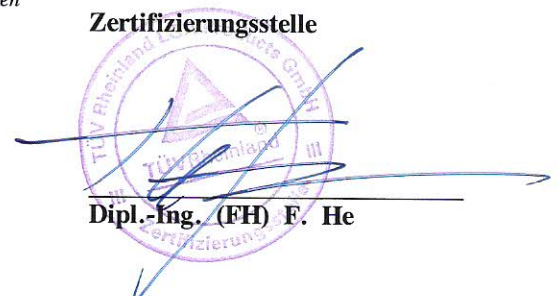
ANLAGE (Appendix): 1.1

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. (FH) F. He



NRNT2.E75887 Switches, Industrial Control - Component

[Page Bottom](#)

Switches, Industrial Control - Component

[See General Information for Switches, Industrial Control - Component](#)

HASCO RELAYS AND ELECTRONICS INTERNATIONAL CORP

E75887

906 JERICHO TPKE
NEW HYDE PARK, NY 11040 USA

Investigated to ANSI/UL 508

Industrial control relays or magnetic latching relay, open type, for use in information technology equipment application for basic insulation only, "DIP 1 Coil Latching" Model(s) HSMR-1.5LP-XXX, HSMR-12LP-XXX, HSMR-2.4LP-XXX, HSMR-24LP-XXX, HSMR-3LP-XXX, HSMR-4.5LP-XXX, HSMR-5LP-XXX, HSMR-6LP-XXX, HSMR-9LP-XXX

Industrial control relays or magnetic latching relay, open type, for use in information technology equipment application for basic insulation only, "DIP Single Side Stable" Model(s) HSMR-1.5P-XXX, HSMR-12P-XXX, HSMR-2.4P-XXX, HSMR-24P-XXX, HSMR-3P-XXX, HSMR-4.5P-XXX, HSMR-5P-XXX, HSMR-6P-XXX, HSMR-9P-XXX

Industrial control relays or magnetic latching relay, open type, for use in information technology equipment application for basic insulation only, "Surface Mount 1 Coil latching" Model(s) HSMR-1.5L-XXX, HSMR-12L-XXX, HSMR-2.4L-XXX, HSMR-24L-XXX, HSMR-3L-XXX, HSMR-4.5L-XXX, HSMR-5L-XXX, HSMR-6L-XXX, HSMR-9L-XXX

Industrial control relays or magnetic latching relay, open type, for use in information technology equipment application for basic insulation only, "Surface Mount 1 Coil latching with Tape and Reel Packing" Model(s) HSMR-1.5LR-XXX, HSMR-12LR-XXX, HSMR-2.4LR-XXX, HSMR-24LR-XXX, HSMR-3LR-XXX, HSMR-4.5LR-XXX, HSMR-5LR-XXX, HSMR-6LR-XXX, HSMR-9LR-XXX

Industrial control relays or magnetic latching relay, open type, for use in information technology equipment application for basic insulation only, "Surface Mount Single Side Stable" Model(s) HSMR-1.5-XXX, HSMR-12-XXX, HSMR-2.4-XXX, HSMR-24-XXX, HSMR-3-XXX, HSMR-4.5-XXX, HSMR-5-XXX, HSMR-6-XXX, HSMR-9-XXX

Industrial control relays or magnetic latching relay, open type, for use in information technology equipment application for basic insulation only, "Surface Mount Single Side Stable with Tape and Reel Packing" Model(s) HSMR-1.5R-XXX, HSMR-12R-XXX, HSMR-2.4R-XXX, HSMR-24R-XXX, HSMR-3R-XXX, HSMR-4.5R-XXX, HSMR-5R-XXX, HSMR-6R-XXX, HSMR-9R-XXX

Industrial Control Switch Model(s) PR may be followed by F, followed by 1A, 1C, 2A or 2C, followed by 10 or 20, followed by AC or DC, followed by 5, 9, 6, 12, 24, 48, 60, 120 or 240, followed by K or R, may be followed by -1.5 or -1.9

Industrial control switches Model(s) BAS

BAS-111, BAS-511 or SC-111, followed by 3, 5, 6, 9, 12, 24 or 48

BS

BS-211 or SC-211, followed by 3, 5, 6, 9, 12 or 24

CAS followed by 112, may be followed by DC, may be followed by 3, 5, 6, 9, 12, 24 or 48, may be followed by V, may be followed by XXXXX

Cat. No. LT1C-10, CS

CS followed by 212, may be followed by DC, may be followed by 3, 5, 6, 9, 12, 24 or 48, may be followed by V, may be followed by XXXXX

D or S followed by 1A, 2A, 1B or 1C, followed by 05, 12 or 24, followed by D or S

HAS followed by 112, followed by DC, may be followed by 5, 6, 9, 12, 18, 24 or 48, may be followed by V, may be followed by XXXXX

HAS-followed by 112 may be followed by DC, may be followed by K or L, followed by 5, 6, 9, 12, 24, or 48 may be followed by XXXXX

HS

HS followed by 212, followed by DC, may be followed by 5, 6, 9, 12, 18, 24 or 48, may be followed by V, may be followed by XXXXX

HS-followed by 212 may be followed by DC, may be followed by K or L, followed by 5, 6, 9, 12, 24, or 48 may be followed by XXXXX

KSD followed by 205, followed by DC, followed by 3, 4, 6, 9, 12, 24, or 48

LT1A-10 followed by DC5 through DC48 inclusive

LT1A-15 followed by DC5 through DC48 inclusive

LT1C-10 followed by DC5 through DC48 inclusive

PR1A47020, PR1A48119-OD, RR1A12, RRH1A12, SC, SCS

Series CARB followed by 1A, 1B, 1C, followed by DC, followed by 6, 9, 12, 24, 48, followed by N, or H, followed by 1 or 2, may be followed S, may be followed by XXXXX

Series HBS followed by 1.5, 3, 5, 6, 9, 12, or 24, may be followed by S, may be followed by GW or P

Industrial Control Switches Model(s) series TR followed by 1A followed by 3 or 5 followed by DC followed by 3, 5, 6, 9, 12, 18, 24 may be followed by S may be followed by -GF.

Industrial control switches Model(s) T, T12, T24, T3, T5, T6, T9, TS, TS12, TS24, TS3, TS5, TS6, TS9

Magnetically operated switches Model(s) KLT or LT followed by 1A, 1B or 1C, followed by 3, 6, 12, 15 or 20, followed by DC, followed by 5, 6, 9, 12, 18, 20, 24, 48, 60 or 110, may be followed by -1, may be followed by XXXXX

KLTF or LTF followed by 1A, 1B or 1C, followed by 3, 6, 12, 15 or 20, followed by DC, followed by 5, 6, 9, 12, 18, 24, 48, 60 or 110, may be followed by -1, may be followed by XXXXX

SSD 1 followed by 03, 06 or 10; followed by PH; followed by DC; followed by a number 3 to 48

Magnetically operated switches, for use in information technology equipment, including electrical business equipment Model(s) SC111, SC211, BAS111, BS211 may be followed by DC followed by 3, 5, 6, 9, 12, 24 maybe followed by S

Open type for use in information technology equipment, including electrical business equipment Model(s) HBS1.5P-(+), HBS1.5SP-(+), HBS12P-(+), HBS12SP-(+), HBS24P-(+), HBS24SP-(+), HBS3P-(+), HBS3SP-(+), HBS5P-(+), HBS5SP-(+), HBS6P-(+), HBS6SP-(+), HBS9P-(+), HBS9SP-(+)

Open type, for use in automotive applications Model(s) CARB, followed by 1A, followed by 6, 12 or 24, followed by 1 or 2; may be followed by S, followed by E or U; may be followed by T, may be followed by XXXX (1-4 alphanumeric characters)

Open type, for use in business and office equipment applications Model(s) BAS-511-12, BAS-511-24, BAS-511-3, BAS-511-5, BAS-511-6, BAS-511-9, BAS-511-DC-12, BAS-511-DC-24, BAS-511-DC-3, BAS-511-DC-5, BAS-511-DC-6, BAS-511-DC-9

Open type, for use in industrial applications Model(s) 4500106Z, 4500154Z, 4500155Z, 4500159Z, 4500160Z, 4500161Z, 4500162Z, 4500305Z

CAR followed by T or blank, followed by 1A or 1C, followed by 30, 40 or 80, followed by DC6, DC12, DC24, or DC48

ECM-120, ECM-277

HAT or HATF followed by 901, 902 or 903, followed by A, B or C, may be followed by C or S, may be followed by up to two alphanumeric characters, followed by AC or DC, followed by a one to three digit number, may be followed by -1 or -W, may be followed by -SN, -OSN or 4K, may be followed by L, may be followed by XXXXX

HAT or HATF followed by 905, followed by A, B or C, followed by S, C, or blank, followed by DC and a one to three digit number, followed by SN or blank, may be followed by XXXXX

HATF904 followed by 2A or 2C, followed by AC or DC, followed by 6, 12, 24, 48, 110, 120, 208, 240 or 277, may be followed by C or Q or both

UJ or UJJ followed by 1, 2, 3 or 4, followed by A or C, followed by S or P, followed by AC or DC, followed by 6, 12, 24, 48, 110, 120 or 220/240, may be followed by FT, FB, FS, may be followed by XXXXX

WP may be followed by A, may be followed by DC, followed by 3, 5, 6, 9, 12, 18, 24, or 48, may be followed by S

Open type, for use in information technology equipment, office appliances, business equipment, electronic data processing equipment or similar devices Model(s) HS 211 may be followed by S followed by DC may be followed by 1.5, 3, -5, -6, -9, -12, -24

HS212 may be followed by S, may be followed by DC may be followed by 3, -5, -6, -9, -12, -18, -20, -24, -48

Series HBS followed by 1.5, 3, 5, 6, 9, 12, or 24, may be followed by S, may be followed by GW or P

T may be followed by L or K, followed by 3, 5, 6, 9, 12 or 24, may be followed by one or two numbers or letters

Open type, for use in television applications Model(s) 703, 711, 712, 713 or 714 followed by 5, 12, 24, may be followed by 17, may be followed by S

LT-1M-5 followed by -5DC, -6DC, -9DC, -12DC, -24DC, -48DC, -DC5, -DC6, -DC9, -DC12, -DC24 and -DC48.

SSD03PH, SSD06PH, SSD10PH

Open type, Industrial Control Switch Model(s) P/N 450-0179-Z

Open type, Industrial, Electromechanical switches, "PLT" Model(s) Non-Latching - Industrial Control Switches series PLT, may be followed by F followed by 1A, 1B, 1C, followed by 20, or 25, followed by DC, followed by 12, 18, or 24 may be followed by a -S, may be followed by GF

Open type, Industrial, Electromechanical switches Model(s) SPR, may be followed by F, followed by 1A, 1B, 1C, 2A, 2B or 2C followed by 8, 12, or 16, followed by DC or AC followed by 5, 6, 9, 12, 24, 48, 60, 110, 115, or 230 followed by R or K, may be followed by L, or 2L, may be followed by W, may be followed by additional alphanumeric characters

Open types, for use in office appliances and data processing equipment Model(s) BAS111DC12-(+), BAS111DC24-(+), BAS111DC3-(+), BAS111DC5-(+), BAS111DC6-(+), BAS111DC9-(+), BS211DC12-(+), BS211DC24-(+), BS211DC3-(+), BS211DC5-(+), BS211DC6-(+), BS211DC9-(+), HAS-112-12-(+), HAS-112-24-(+), HAS-112-48-(+), HAS-112-5-(+), HAS-112-6-(+), HAS-112-9-(+), HAS-112K-12-(+), HAS-112K-24-(+), HAS-112K-48-(+), HAS-112K-5-(+), HAS-112K-6-(+), HAS-112K-9-(+), HAS-112L-12-(+), HAS-112L-24-(+), HAS-112L-48-(+), HAS-112L-5-(+), HAS-112L-6-(+), HAS-112L-9-(+), HS-212-12-(+), HS-212-24-(+), HS-212-48-(+), HS-212-5-(+), HS-212-6-(+), HS-212-9-(+), HS-212K-12-(+), HS-212K-24-(+), HS-212K-48-(+), HS-212K-5-(+), HS-212K-6-(+), HS-212K-9-(+), HS-212L-12-(+), HS-212L-24-(+), HS-212L-48-(+), HS-212L-5-(+), HS-212L-6-(+), HS-212L-9-(+), SC111DC12-(+), SC111DC24-(+), SC111DC3-(+), SC111DC5-(+), SC111DC6-(+), SC111DC9-(+), SC211DC12-(+), SC211DC24-(+), SC211DC3-(+), SC211DC5-(+), SC211DC6-(+), SC211DC9-(+)

Reed switches Model(s) HCH211, HCH219, HCH2210, HCH2212, HCH229, HCH25, HCH50WD, HCH551, HCH9215, HCH9216, HCHHPF

Relay sockets Model(s) UJJ2C, UJJ3C, UJJ4C

Model(s) 450-3004-Z

Model(s) HATA followed by 901, 902 or 903, followed by A, B, C, may be followed by S or C, may be followed by up to two alphanumeric characters, followed by AC or DC followed by a one to three digit number, may be followed by 1, may be followed by SN may be followed by L, may be followed by XXXXX.

(+) - (+) - With or without Suffixes of up to 5 alphanumeric characters for packaging, color, mounting, marking, customer identification, multilingual labeling/instructions, and commercial variations.



Marking: Company name or trademark and model designation on the product or on the smallest unit container in which the product is packaged.

Last Updated on 2015-01-16

© 2015 UL LLC

When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the [UL Environment database](#) for additional information regarding this product's certification.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2015 UL LLC".