

ZEICHENGENEHMIGUNG MARKS APPROVAL

Song Chuan Precision Co. Ltd.
No. 377 Jhonghua Rd.
Shulin City
238 TAIPEI HSIEN
TAIWAN

ist berechtigt, für Ihr Produkt /
is authorized to use for their product

Elektromechanisches Elementarrelais
Electromechanical elementary relay
899; 899B; 899E; 899EB

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 61810-1 (VDE 0435 Teil 201):2004-07; EN 61810-1:2004
IEC 61810-1:2004

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VDE Testing and Certification Institute
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Aktenzeichen: 1993100-4940-0005 / 93472
File ref.:

Ausweis-Nr. 40012174 Blatt 1
Certificate No. *Page*

Weitere Bedingungen siehe Rückseite und Folgebblätter /
further conditions see overleaf and following pages

Offenbach, 2004-11-10
(letzte Änderung/updated 2008-03-03)

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Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
Sung Chuan Precision Co. Ltd., No. 377 Jhonghua Rd., Shulin City, 238 TAIPEI HSIEN, TAIWAN

Aktenzeichen / *File ref.*
1993100-4940-0005 / 93472 / FG33 / MIM

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Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40012174.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40012174.

Elektromechanisches Elementarrelais *Electromechanical elementary relay* 899; 899B; 899E; 899EB

Typ(en) / *Type(s)*:

- 1] 899.(-;B)-1A-(-;B;F)-.(C;S;V)-xxx
- 2] 899.(-;B)-1B-(-;B;F)-.(C;S;V)-xxx
- 3] 899.(-;B)-1C-(-;B;F)-.(C;S;V)-xxx
- 4] 899.(-;B)-1AH-(-;B;F)-.(C;S;V)-xxx
- 5] 899.(-;B)-1BH-(-;B;F)-.(C;S;V)-xxx
- 6] 899.(-;B)-1CH-(-;B;F)-.(C;S;V)-xxx
- 7] 899E.(-;B)-1A.(-;CA)-(-;B;F). (C;S;V)-xxx
- 8] 899E.(-;B)-1C.(-;CA)-(-;B;F). (C;S;V)-xxx

Weitere Angaben

siehe Anlage Nr.
100A-102A; 200A-204A; 200B-202B; 200C; 300A-305A;
300B-301B; 500C

Further information

see *Enclosure No.*
100A-102A; 200A-204A; 200B-202B; 200C; 300A-305A;
300B-301B; 500C

VDE Prüf- und Zertifizierungsinstitut
VDE Testing and Certification Institute
Fachgebiet FG33
Section FG33

i.A. 

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Song Chuan Precision Co. Ltd., No. 377 Jhonghua Rd., Shulin City, 238 TAIPEI HSIEN, TAIWAN

Aktenzeichen / *File ref.*
1993100-4940-0005 / 93472 / FG33 / MIM

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This supplement is part of the Certificate No. 40012174.

Elektromechanisches Elementarrelais *Electromechanical elementary relay* 899; 899B; 899E; 899EB

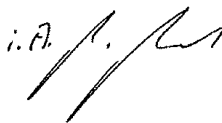
Fertigungsstätte(n)
Place(s) of manufacture

Referenz/*Reference* Shanghai Song Chuan Precision
30006120 Electron Co., Ltd.
No. 1059 Xiao Yun Road
200949 Baoshan Industrial Zone
Shanghai
CHINA

Referenz/*Reference* Xiamen Song Chuan Precision
30007679 Co. Ltd.
5th. Fl. Zonic Science Bldg.
Xing Long Road Hull Ind. District
361000 XIAMEN
Fujian
CHINA

VDE Prüf- und Zertifizierungsinstitut
VDE Testing and Certification Institute
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Section FG33

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ZEICHENGENEHMIGUNG
MARKS APPROVAL

Ausweis-Nr.:
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1993100-4940-0005 / 99472

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2008-02-29

Elektromechanisches Elementarrelais
Electromechanical elementary relay

Typenschlüssel
Nomenclature

Beispiel:
Example:
899B - 1C - H - B - C - XXX XXVDC
1 2 3 4 5 6

1. TYPE

899B - with Insulation Barrier

2. CONTACT FORM

1A = Single pole normally open NO
1B = Single pole normally closed NC
1C = Single pole double throw CO

3. CONTACT MATERIAL

Blank = AgNi alloy
H = AgSnO alloy

4. INSULATION SYSTEM FOR UL

Blank = Standard type
B = Class B
F = Class F

5. VERSION

C = flux tight
S = Plastic sealed type
V = Plastic sealed type without QC2 test

6. SPECIAL CODE

May be followed by additional letters/ or number -
Example: Customer code or requirements and / or E; E1 for insulation materials for domestic appliances (IEC 60335-1, Ed. 4)
Remark: Does not affect the construction

COIL VOLTAGE

3VDC, 4VDC, 5VDC, 6VDC, 9VDC, 12VDC, 15VDC, 18VDC,
24VDC, 36VDC, 48VDC, 60VDC

Anlage-Nr.:
Appendix No.:
100A

VDE Prüf- und Zertifizierungsinstitut

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VDE Testing and Certification Institute
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Fachgebiet FG33
Section FG33

VDE



ZEICHENGENEHMIGUNG
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Certificate No.:
40012174


Aktenzeichen:
File ref.:
1983100-4940-0005 / 93472

Datum
Date
2008-02-29

Elektromechanisches Elementarrelais <i>Electromechanical elementary relay</i>	Typenschlüssel <i>Nomenclature</i>	Anlage-Nr.: Appendix No.: 101A
Beispiel: Example:	899B - $\frac{1C}{2}$ - $\frac{H}{3}$ - $\frac{B}{4}$ - $\frac{C}{5}$ - $\frac{XXX}{6}$ - XXVDC	
	Original basic designation	Alternativ basic designation
1. TYPE	899 899B - with Insulation Barrier	833H
2. CONTACT FORM	1A = Single pole normally open NO 1B = Single pole normally closed NC 1C = Single pole double throw CO	1A = Single pole normally open NO 1B = Single pole normally closed NC 1C = Single pole double throw CO
3. CONTACT MATERIAL	Blank = AgNi alloy H = AgSnO alloy	C = AgNi alloy Blank = AgSnO alloy
4. INSULATION SYSTEM FOR UL	Blank = Standard type B = Class B F = Class F	
5. VERSION	C = flux tight S = Plastic sealed type V = Plastic sealed type without OC2 test	
6. SPECIAL CODE	May be followed by additional letters/ or number - Example: Customer code or requirements and / or E; E1 for insulation materials for domestic appliances (IEC 60335-1, Ed. 4) Remark: Does not affect the construction	
COIL VOLTAGE	3VDC, 4VDC, 5VDC, 6VDC, 8VDC, 9VDC, 12VDC, 15VDC, 18VDC, 24VDC, 36VDC, 48VDC, 60VDC	

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Fachgebiet FC33
Section FC33
VDE

DESCRIPTION

PRODUCT COVERED:

USR/CNR - Component - Industrial Control Switches.

Series 899, may be followed by B; followed by 1A, 1B, or 1C; may be followed by B or F; followed by C, S, or V; may be followed by V0 or additional letters and/or numbers.

Series 833H, followed by 1A, 1B, or 1C, may be followed by B or F, followed by C, S, or V, may be followed by additional alpha-numeric digits.

GENERAL:

These devices are open-type, magnetically operated, single-pole, single throw or double-throw relays with normally open, and normally closed contacts. See ratings below. The 833H Series is identical in construction to the 899 Series except for the contact material.

ELECTRICAL RATINGS:

Coil: 3-60 V dc

CONTACT RATINGS:

899 Series:

15 A, 125 Vac, gen. use/resistive (Class B minimum)
10 A, 277 Vac, gen. use/resistive
10 A, 250 Vac, gen. use/resistive, 50K cycles, 85°C
10 A, 125 Vac, gen. use/resistive, 100K cycles, 85°C (N.O. contacts)
6 A, 250 Vac, gen. use/resistive, 100K cycles, 105°C (N.O. contacts)
1/3 HP, 125/250 Vac (N.O. contacts)
1/4 HP, 125/250 Vac (N.C. contacts)

833H Series:

15 A, 125 Vac, gen. use/resistive
10 A, 277 Vac, gen. use/resistive
10 A, 125 Vac, gen. use/resistive, 100K cycles (N.O. contacts)
10 A, 120 Vac, resistive
7 A, 30 Vdc
1/3 HP, 125/250 Vac (N.O. contacts)
1/4 HP, 125/250 Vac (N.C. contacts)

**6 FLA, 6 LRA, 250 Vac, 105°C Ambient, 100K cycles (N.O. and N.C. contacts),
minimum Class B insulation system**

Ambient: 40°C maximum @ 15 A maximum
70°C maximum @ 10 A maximum
85°C maximum @ 10 A maximum (min. Class B insulation)

NOMENCLATURE:

*

899	-	1A	-	B	-	C	_____
1		2		3		4	5

1. Model Designation

833H - Basic model
899 - Basic model
899B - Basic model with insulation barrier

2. 1A - Single Pole Normally Open
1B - Single Pole Normally Closed
1C - Single Pole Double Throw

3. Insulation System

Blank - Standard Type
B - Class B
F - Class F

4. Enclosure Style

C - With Flux Tight
S - With Plastic Sealed
V - Sealed

5. Special Code - May be followed by additional numbers and/or letters
V0 - V0 Flame Class Polymeric materials

The alternative nomenclature of 833H Series

	Original Nomenclature		Alternative Nomenclature
	833 - 1A - B - C - 1 2 3 4 5 6		899 - 1A H - B - C - 1 2 3 4 5 6
1, 2	833H-1A 833H-1B 833H-1C	1, 2	899-1A 899-1B 899-1C
3	Blank	3	H - AgSnO Contact
4	Insulation System		
5	Enclosure Style		
6	Special Code		