



Product Service

# CERTIFICATE

No. Z10 18 02 80658 209

**Holder of Certificate:** Suzhou Inovance Technology Co., Ltd.  
 No.16, Youxiang Road, Yuexi Town, Wuzhong District  
 215104 Suzhou  
 PEOPLE'S REPUBLIC OF CHINA

**Factory(ies):** 92835

**Certification Mark:**



**Product:** AC Servo Systems  
 AC Drive (MD810), AC Servo Drive (IS810, ES810)

**Model(s):** MD810, IS810, ES810 series

**Parameters:**

Rated input:	DC 537-679V
Rated output:	IS810 series: 3PH AC 0-380V, 0-400Hz MD810 series: 3PH AC 0-480V, 0-500Hz ES810 series: 3PH AC 0-480V, 0-300Hz See nomanclature for rated output current and power
Temperature range:	below 50 degree
Humidity:	below 95% RH
Altitude:	below 3000m
Safety function:	STO

**Tested according to:**

- IEC 61800-5-1:2007
- IEC 61800-5-2:2016
- EN 61800-5-1:2007
- EN 61800-5-2:2017
- IEC 62061:2005
- IEC 62061:2005/AMD1:2012
- IEC 62061:2005/AMD2:2015
- EN 62061:2005/A2:2015
- ISO 13849-1:2015 (PL e, Cat. 3)
- EN ISO 13849-1:2015 (PL e, Cat. 3)
- IEC 61508-1:2010 (SIL 3)
- IEC 61508-2:2010 (SIL 3)
- EN 61508-1:2010 (SIL 3)
- EN 61508-2:2010 (SIL 3)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:** IS90819T  
**Valid until:** 2023-02-06

**Date,** 2018-02-07

*Jiayi Dong*  
 ( Jiayi Dong )





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## ATTACHMENT TO CERTIFICATE

No. Z10 18 02 80658 209

### Nomenclature of Product type MD810, IS810, ES810

**MD810 - 50M** 4T \* \* G \* \* 1 x  
 I II III IV V VI VII VIII IX X

Key	No	Content
Product category	I	AC drive
Unit type	II	50M: drive unit
Voltage class	III	4T: 380V - 480V
Number of axes	IV	D: double axes Null: single axis
Applicable motor power	V	1.5: 1.5 kW; 11: 11 kW; 37: 37 kW 2.2: 2.2 kW; 15: 15 kW; 45: 45 kW 3.7: 3.7 kW; 18.5: 18.5 kW; 55: 55 kW 5.5: 5.5 kW; 22: 22 kW; 75: 75 kW 7.5: 7.5 kW; 30: 30 kW; Remark: 1.5 - 5.5kW, 22-75kW is only for single axis.
Model	VI	G: general
Optional function part	VII	0: No PG card 2: Built-in differential PG card
Optional communication part	VIII	0: Standard built-in RS485 1: Built-in Profibus-DP Card
Optional extension part	IX	0: None 1: Built-in STO
Suffix	X	10 bits, can be blank or combination of any alphanumeric and/or symbols that represents customer identity.



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## ATTACHMENT TO CERTIFICATE

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**IS810** N 50M 4T \* \* INT x  
 I II III IV V VI VII VIII

Key	No	Content
Product category	I	AC Servo drive
Drive type	II	N: network
Unit type	III	50M: drive unit (50 mm wide)
Voltage class	IV	4T: 380 V - 480 V
Number of axes	V	D: double axes
Rated current and rated power	VI	017: 16.5A, 4.4kW; 021: 20.8A, 5.5kW; 026: 25.7A, 7.5kW; 032: 32A, 15kW; 037: 37A, 18.5kW;
Model	VII	INT: international Blank: normal
Suffix	VIII	10 bits, can be blank or combination of any alphanumeric and/or symbols that represents customer identity.

**ES810 - 50M** 4T \* \* \* x  
 I I III IV V VI VII

Key	No	Content
Product category	I	AC Servo drive series
Unit type	II	50M: drive unit
Voltage class	III	4T: 380V - 480V
Applicable motor power	IV	005: 2.2 kW; 032: 15 kW; 091: 45 kW 009: 3.7 kW; 037: 18.5 kW; 112: 55 kW 013: 5.5 kW; 045: 22 kW; 150: 75 kW 017: 7.5 kW; 060: 30 kW; 025: 11 kW; 075: 37 kW;
Optional function part	V	0: Rotary transformer 1: Reserved 2: Weton encoder
Optional function part	VI	0: STO function 1: Reserved 2: Reserved
Suffix	VII	10 bits, can be blank or combination of any alphanumeric and/or symbols that represents customer identity.

## Zertifizierungsvertrag

Grundlage für die Zertifikatserteilung ist die Prüf- und Zertifizierungsordnung von TÜV SÜD Product Service.

Mit Erhalt des Zertifikates erkennt der Zertifikatsinhaber die jeweils gültige Fassung der Prüf- und Zertifizierungsordnung an ([www.tuev-sued.de/ps\\_regulations](http://www.tuev-sued.de/ps_regulations)) und wird somit Partner im Zertifiziersystem von TÜV SÜD Product Service.

## Certification contract

Certification is based on the TÜV SÜD Product Service Testing and Certification Regulations. On receipt of the certificate the certificate holder agrees to the current version of the Testing and Certification Regulations ([www.tuv-sud.com/ps\\_regulations](http://www.tuv-sud.com/ps_regulations)) and thus becomes partner in the TÜV SÜD Product Service Certification System.

## 认证合约

认证基于 TÜV SÜD 产品服务《测试及认证准则》。获得证书即表明证书持有者接受当前版本的《测试及认证准则》（见 [www.tuv-sud.com/ps\\_regulations](http://www.tuv-sud.com/ps_regulations)）并成为 TÜV SÜD 产品服务认证系统内的合作伙伴。

## 認証契約

認証は TÜV SÜD Product Service の試験認証規約に基づく。認証書保持者は認証書を受領することにより最新の試験認証規約([www.tuv-sud.com/ps\\_regulations](http://www.tuv-sud.com/ps_regulations))に同意したものとする。その結果、TÜV SÜD Product Service 認証システムのパートナーとなる。

## Contrato de certificação

A certificação se baseia nos Regulamentos de Testes e Certificação do Grupo TÜV SÜD. Ao receber o certificado, o Fornecedor, titular do certificado concorda com a versão atual dos Regulamentos de Testes e Certificação do Grupo TÜV SÜD ([www.tuv-sud.com/ps\\_regulations](http://www.tuv-sud.com/ps_regulations)) e assim, torna-se parceiro no Sistema de Certificação de Produtos e Serviços TÜV SÜD.

## Prinzipielle Voraussetzung für die Gültigkeit des Zertifikates:

- Gültigkeit der zitierten normativen Prüfgrundlage(n) ist gegeben und zusätzlich bei Zertifikaten mit Berechtigung zur Verwendung eines Prüfzeichens bzw. bei Zertifikaten für QM-Systeme:
- Voraussetzungen für vorschriftsmäßige Fertigung werden eingehalten.
- Die Fertigungs- bzw. Betriebsstätten werden regelmäßig überwacht.

## Requirements for the validity of the certificate in principle:

- Validity of the quoted test standard(s) In addition, for certificates with the right to use a certification mark and for QM certificates:
- Conditions for an adequate manufacturing are maintained
- Regular surveillance of the facility is performed

## 维持证书有效性的原则要求：

- 认证所依据标准的有效性
- 此外，对于授权可使用认证标志的证书和质量管理体系证书：
- 保持充分的生产条件
  - 生产场地通过定期的监督

## 認証書の有効性に関する原則的な要求事項

- 引用している試験規格が有効である
- さらに認証マークの使用を許諾された認証書や品質マネジメント認証書は：
- 適切な製造の条件を維持している
  - 定期的な工場監査を実施している

## Requisitos para a validade do certificado (em princípio):

- Validade da(s) norma(s) de ensaio(s) referenciada(s).
- Adicionalmente, para os certificados com o direito ao uso da marca de certificação e para certificados de SG:
- Condições de fabricação adequada estão mantidas.
  - Auditoria de monitoração realizada regularmente.