



Type-examination certificate no. E 7106/2.e

Object:	Power Drive System
Mark:	Indel
Type designation:	Servo Drive SAC4x1
Technical details concerning safety:	The STO safety function according to EN 61800-5-2 meets the requirements of EN ISO 13849-1, Category 4, PL e.
Manufacturer's address:	Indel AG Tüfiwis 26 CH-8332 Russikon
Address of applicant:	Indel AG Tüfiwis 26 CH-8332 Russikon
Special conditions, enclosures:	For more information see attached sheet 1/1
Expires on:	30 September 2029

The prototype examined corresponds to the basic requirements of Directive 2006/42/EC and the amendments of the European Parliament and the Council of 17 May 2006 for the harmonization of Member States' legal and administrative regulations relating to machinery.
This certificate is valid in conjunction with the general conditions listed on the back and any possible enclosures mentioned above.

European notified body, identification number 1246

Place and date:
Lucerne, 1 October 2024

Suva
Accredited Certification Body SCESp 0008
Technology Sector

The Safety Engineer
Urs Bühlmann

Head of Certification
Daniel Vock

General conditions

This certificate is valid for the product or product category bearing the trademark and type shown on the front page. In order to guarantee its compliance with the essential health and safety requirements of the directive or regulation stated on the front page, each product or product category must be marked in accordance with the requirements of the directive or regulation stated on the front page and its amendments.

Under the trademark and type designation stated on the front page, the manufacturer or supplier undertakes to deliver only products which, in all aspects that may influence their safety, satisfy the prerequisites for this certificate exactly. This certificate automatically becomes invalid if this condition is not fulfilled.

When assessing the product or product category stated on the front page, it has been assumed that its design and manufacture correspond to the recognized state of the art.

With regard to the operating and servicing instructions supplied with the product, we refer to the requirements of the directive or regulation stated on the front page.

If organizational measures are required to guarantee safety, they must be made known to the buyer and the user and included in the operating and servicing instructions.

The manufacturer is obliged to report to the certification body any complaints regarding the product or product category described on the front page as well as the remedying of faults without delay.

With regard to the area of application, placing on the market and putting into service, free passage of goods, conformity assessment procedures and CE marking, the conditions of the directive or regulation stated on the front page must be complied with.

Reference to this certificate in quotations, brochures, advertisements or other publicity media may only be made if accompanied by its number.

Upon request, the term of validity of the certificate is extended if the product or product category with the relevant conditions of use continues to fulfil the applicable health and safety protection requirements.

However, if new experience or findings indicate that adequate safety cannot be guaranteed or if the product or product category no longer corresponds to the latest state of the art, the certificate can be cancelled by Suva's certification body at any time.

Certification Body SCESp 0008; European notified body, identification number 1246

Suva, Technology Sector, P.O. Box 4358, CH-6002 Lucerne
Phone +41 (0)41 419 61 31, Fax +41 (0)41 419 58 70
www.suva.ch/certification-e



The STO safety function according to EN 61800-5-2 meets the following requirements:

EN ISO 13849-1:	Category	4
	Performance Level	e
	*Diagnostic coverage DC	99% (high)
	PFH	2.47 E-8 / h
	MTTFd	100 years (high)
	CCF	fulfilled
EN 62061:	SIL	3

*The diagnostic coverage DC is directly dependent on the external signal evaluation. The integrator has to recalculate and confirm the DC.

The use of the safety function requires the observance of all manufacturer information. It is an electronic device, suitable measures (shielding, filters, etc.) against disturbances (EMC) have to be taken. When commissioning, the integrator must perform a complete function check of the safety function in conjunction with the equipped object. The state of the art according to EN ISO 13849-1 /-2 and / or EN 62061 must be observed.

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