

certificate
no. **ET 22053**
dated 08.03.2023

European notified body
Identification number 0340

Translation

In any case, the German original shall prevail.

EC Type-Examination Certificate

Name and address of the
holder of the certificate:
(customer): **DINA Elektronik GmbH**
Esslinger Str. 84
72649 Wolfschlugen
GERMANY

Name and address of the
Manufacturer: **DINA Elektronik GmbH**
Esslinger Str. 84
72649 Wolfschlugen
GERMANY

Product designation: **Multiple Function Safety Device**

Type: **SL VARIO (Modules see attachment 1)**

Intended purpose:

Testing based on:

DIN EN 60947-5-1	Low-voltage switchgear and control gear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices	2018-03
DIN EN ISO 13849-2	Safety of machinery – Safety-related parts of control systems – Part 2: Validation	2013-03
GS-ET-20	Supplementary requirements for the testing and certification of safety relays	2020-02

Remarks: The safety functions will be carried out with category 4 PL e of DIN
EN ISO 13849-1:2016-06.
The probability of dangerous failure per hour PFH_D is depending on the
application $< 2,47 \cdot 10^{-8}$ 1/h.
Using table 3 of DIN EN ISO 13849-1:2016-06 this is conform to SIL 3.
DNSL-BIV/-NIV/-SIV: Category 3, PL d, SIL 2 and $PFH_D > 10^{-7}$ 1/h
The product may be used as control unit as defined by DIN EN ISO
13851:2019-11, DIN EN ISO 13856-1:2013-08,
DIN EN ISO 13856-2:2013-08 and DIN EN ISO 13856-3:2013-12.

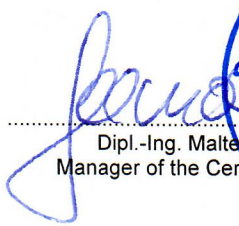
Replacement for EC Type-Examination Certificate ET 22053 dated
05.08.2022

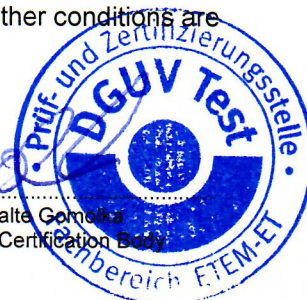
The type tested complies with the provisions laid down in the directive 2006/42/EC (**Machinery**).

The present certificate is valid until: **30.06.2027**

Further provisions concerning the validity, the extension of the validity and other conditions are
laid down in the Rules of Procedure for Testing and Certification.

Az: NP.550.05/21-116-VT01/VPig/Ull


Dipl.-Ing. Malte Gornika
Manager of the Certification Body



certificate
no. **ET 22054**
dated 08.03.2023

Translation In any case, the German original shall prevail.

DGUV Test Certificate

Name and address of the holder of the certificate: (customer):
**DINA Elektronik GmbH
Esslinger Str. 84
72649 Wolfschlugen
GERMANY**

Name and address of the Manufacturer:
**DINA Elektronik GmbH
Esslinger Str. 84
72649 Wolfschlugen
GERMANY**

Product designation: Multiple Function Safety Device

Type: SL VARIO (Modules see attachment 1)

Intended purpose:

Testing based on:	DIN EN 60947-5-1	Low-voltage switchgear and control gear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices	2018-03
	DIN EN ISO 13849-2	Safety of machinery – Safety-related parts of control systems – Part 2: Validation	2013-03
	GS-ET-20	Supplementary requirements for the testing and certification of safety relays	2020-02

Remarks: The safety functions will be carried out with category 4 PL e of DIN EN ISO 13849-1:2016-06.
The probability of dangerous failure per hour PFH_D is depending on the application $< 2,47 \cdot 10^{-8}$ 1/h.
Using table 3 of DIN EN ISO 13849-1:2016-06 this is conform to SIL 3.
DNSL-BIV/-NIV/-SIV: Category 3, PL d, SIL 2 and $PFH_D > 10^{-7}$ 1/h
The product may be used as control unit as defined by
DIN EN ISO 13851:2019-11, DIN EN ISO 13856-1:2013-08,
DIN EN ISO 13856-2:2013-08 and DIN EN ISO 13856-3:2013-12.
Replacement for DGUV Test Certificate ET 22054 dated 05.08.2022.

The type tested meets the requirements specified in article 3 of the German Product Safety Act.
Thus, the type tested also complies with the provisions laid down in the directive 2006/42/EC (**Machinery**)
The holder of the certificate is entitled to affix the DGUV Test mark shown overleaf to the products complying with the type tested, including the specification given under the heading 'remarks'.

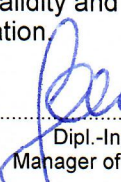
The present certificate including the right to affix the DGUV Test mark is valid until: **30.06.2027**

Further provisions concerning the validity, the extension of the validity and other conditions are laid down in the Rules of Procedure for Testing and Certification.

Az: NP.550.05/21-116-VT01/VPig/UII

Deutsche Gesetzliche Unfallversicherung (DGUV) e. V.
Spitzenverband der gewerblichen Berufsgenossenschaften
und der Unfallversicherungsträger der öffentlichen Hand
Vereinsregister-Nr. VR 751 B, Amtsgericht Charlottenburg

DGUV Test Prüf- und Zertifizierungsstelle Elektrotechnik
Fachbereich Energie Textil Elektro Medienerzeugnisse
Gustav-Heinemann-Ufer 130 • 50968 Köln • Deutschland
Telefon +49 (0)221 3778-6301 • Telefax +49 (0)221 3778-6322


Dipl.-Ing. Malte Gornofka
Manager of the Certification Body



Anlage 1 zur

EG-Baumusterprüfbescheinigung:

ET 22053

DGUV Test Zertifikat:

ET 22054

*Attachment to EC Type-Examination Certificate
 ET 22053 and DGUV Test Certificate 22054*

Bescheinigungsinhaber:

DINA Elektronik GmbH
 Esslinger Straße 84
 72649 Wolfschlügen
 DEUTSCHLAND

Produktbezeichnung:

Multifunktionales Sicherheitsschaltgerät
Multiple function safety device

Typ:

SL Vario

Module / Modules

Bezeichnung / Description	Typ / Type
Zentralmodul / Central module	DNSL-ZMV (V5.1) DNSL-ZMVK (V5.1) DNSL-ZMVA (V5.1) DNSL-ZMVD (V5.1)
Drehzahlmodul / Speed monitoring module	DNSL-BIV DNSL-DSV DNSL-DSV2 DNSL-DRV DNSL-SIV
IO-Modul / IO module	DNSL-INV DNSL-IOV
Relaismodul / Relay module	DNSL-RMV
Feldbusmodul / Fieldbus module	DNSL-FBV
Kaskadiermodul / Cascade module	DNSL-CMV
Koppelmodul / Connection module	DNSL-NIV
Kaskadiermodul / Cascade module	DNSL-CMV (nicht sicherheitsrelevant / not safety relevant)
Repeatermodul / Repeater module	DNSL-NRV (nicht sicherheitsrelevant / not safety relevant)

Köln, den 08.03.2023 VPig
 Az.: NP.550.05/21-116-VT01

V. Pigarev

Vladimir Pigarev
 Zertifizierer

