

certificate  
no. **ET 13085**  
dated 2013-10-29

Translation

## EC-Type Test Certificate

Name and address of the holder of the certificate: **tecsis GmbH**  
**Carl-Legien-Straße 40-44**  
(customer): **63073 Offenbach am Main**

Name and address of the Manufacturer: **tecsis GmbH**  
**Carl-Legien-Straße 40-44**  
**63073 Offenbach am Main**

Product designation: Multifunctional Safety System

Type: ELMS-ZMV ELMS-ZMVK  
ELMS-INV ELMS-IOV  
ELMS-RMV ELMS-DPV  
ELMS-ECV ELMS-COV

Intended purpose:

Testing based on: GS-ET-20 Supplementary requirements for the testing and certification of safety switchgear 2013-07

DIN EN 60947-5-1 Low-voltage switchgear and control gear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices 2010-04

DIN EN ISO13849-2 Safety of machinery - Safety-related parts of control systems - Part 2: Validation 2013-02

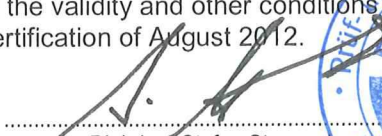
Remarks: The safety-related functions will be carried out with category 4 and PL e of DIN EN 13849-1:2008-12 and SILCL 3 of DIN EN 62061:2005-10. The probability of dangerous failure per hour  $PFH_D$  is  $< 2,47 \cdot 10^{-8}$ . SILCL and  $PFH_D$  are determined by use of tables 6 and 7 of DIN EN 62061. The product could be used as a control unit of a Type III C-Two-hand control device of DIN EN 574:2008-12. Only the relevant chapters 5.1, 5.2, 5.3, 5.6, 5.7.1, 5.7.3 and 6 have been tested.

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

The present certificate is valid until: **31.12.2017**

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 of August 2012.

Az: NA.550.05 / 13-173-VT01 / Gom MWi

  
Dipl.-Ing. Stefan Stommel  
Manager of the Certification Body



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certificate  
no. **ET 13086**  
dated 2013-10-29

Translation

## DGUV Test Certificate

Name and address of the holder of the certificate: **tecsis GmbH**  
**Carl-Legien-Straße 40-44**  
**63073 Offenbach am Main**  
(customer):

Name and address of the Manufacturer: **tecsis GmbH**  
**Carl-Legien-Straße 40-44**  
**63073 Offenbach am Main**

Product designation: **Multifunctional Safety System**

Type: **ELMS-ZMV      ELMS-ZMVK**  
**ELMS-INV      ELMS-IOV**  
**ELMS-RMV      ELMS-DPV**  
**ELMS-ECV      ELMS-COV**

Intended purpose:

Testing based on:

GS-ET-20	Supplementary requirements for the testing and certification of safety switchgear	2013-07
DIN EN 60947-5-1	Low-voltage switchgear and control gear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	2010-04
DIN EN ISO13849-2	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	2013-02

Remarks/  
specific aspect: The safety-related functions will be carried out with category 4 and PL e of DIN EN 13849-1:2008-12 and SILCL 3 of DIN EN 62061:2005-10. The probability of dangerous failure per hour  $PFH_D$  is  $< 2,47 \cdot 10^{-8}$ . SILCL and  $PFH_D$  are determined by use of tables 6 and 7 of DIN EN 62061. The product could be used as a control unit of a Type III C-Two-hand control device of DIN EN 574:2008-12. Only the relevant chapters 5.1, 5.2, 5.3, 5.6, 5.7.1, 5.7.3 and 6 have been tested.


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: **31.12.2017**

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 of August 2012.

Az: NA.550.05 / 13-173-VT01 / Gom/Wi

  
Dipl.-Ing. Stefan Stommel  
Manager of the Certification Body



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## DGUV Test mark



1) no. of certificate ET 13086

Where additional details are given on the certificate, the DGUV Test mark must be supplemented by additional wording reflecting said details. In such cases, the mark may look slightly different from the image shown here.