



# Optocoupler




## CERTIFICATE FI/40821

Our Ref. HEL-CERT200900425-01

**Product** Optocoupler

**Type** IL300, IL300-E, IL300-F, IL300-EF, IL300-DEFG

**Trademark** 

**Certificate Holder** Vishay Semiconductor GmbH  
Theresienstrasse 2  
D-74072 Heilbronn  
Germany

**Technical information** Operating temperature 100°C.

**Other information** DIP-8 and SMD-8 package.

**The product is certified according to the following standard(s)** EN 62368-1:2014 + A11:2017

**Validity** This certificate is valid until 16<sup>th</sup> September 2025 provided that the Conditions for FI certification are met. This certificate includes the right to use the FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for FI certification are met.

**Date of issue** 16<sup>th</sup> September 2020

**SGS Fimko Ltd**

**Signature**

Tom Törn  
Certification Director

Page 1 of 2

This document is issued by the Company under its General Conditions of Service accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



**SGS Fimko Ltd**

Takomotie 8, FI-00380 Helsinki, Finland  
t. +358 9 696 361 [www.sgs.fi](http://www.sgs.fi)

Business ID 0978538-5

Member of the SGS Group (SGS SA)



Page 2 of 2 to Certificate: **FI/40821**

**Manufacturer** Vishay Semiconductor GmbH  
Theresienstrasse 2  
D-74072 Heilbronn  
Germany

**Manufacturing site** Vishay Semiconductor Malaysia Sdn.Bhd.  
No.1710-1, Kawasan Perindustrian Krubong,  
75250 Melaka  
Malaysia

**Directive information** The certified product(s) fulfils requirements of mentioned standard(s) which are harmonised under the Low Voltage Directive (2014/35/EU) at the date of issue of the certificate.

**Additional information** According to standard EN 62368-1:2014 optocoupler used as safeguard shall comply with the requirements of clause 5.4 or Annex G.12 for optocouplers which requires component to fulfill standard IEC 60747-5-5 2007. In addition, the type testing voltage  $V_{ini,a}$  and routine testing voltage  $V_{ini,b}$  shall be at least equal to the appropriate test voltage in EN 62368-1:2014 clauses 5.4.9.1 and 5.4.9.2.

Models have been tested and certified by VDE certificate Ref. No. VDE 104817, dated 2.7.2020 according to the standard EN 60747-5-5:2011+A1:2015. The used test voltages for  $V_{ini,a}$  and  $V_{ini,b}$  are 10 kVpeak.

Minimum external clearance and creepage distance: 8,0 mm.

For ITAV applications, based on test voltages, optocouplers can be used in implementation where required withstand voltage is max 6,0 kVp/(AC mains max. 300V/OVC IV). Complying other insulation requirements construction of the optocouplers, final assembly as well as environmental conditions shall be considered.

**As shown in the Test Report(s) No(s):** 298528-3



**Page 2 of 2**

This document is issued by the Company under its General Conditions of Service accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

**SGS Fimko Ltd**

Takomotie 8, FI-00380 Helsinki, Finland  
t. +358 9 696 361 [www.sgs.fi](http://www.sgs.fi)

Business ID 0978538-5

Member of the SGS Group (SGS SA)