



Optocoupler

CERTIFICATE FI/40820

Our Ref. HEL-CERT200900424-01



Product Optocoupler

Type SFH 610A-, SFH 611A-, SFH 615A-, SFH 615AA, SFH 615AGB, SFH 615AGR, SFH 617A-, SFH 618A-, SFH 619A, SFH 620A-, SFH 620AA, SFH 620AGB, SFH 628A-, SFH 6106-, SFH 6116-, SFH 6156-, SFH 6186-, SFH 6206-, SFH 6286-, TCET1600, TCET1600G

Trademark

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

Technical information Operating temperature 100°C.

Other information DIP-4 or SMD package. See the Appendix.

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

Validity This certificate is valid 16th September 2025 until 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 16th September 2020

SGS Fimko Ltd

Signature

Tom Törn
Certification Director

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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	<p>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.</p> <p>Models have been tested and certified by VDE certificate Ref. No. VDE 091888, dated 13.10.2017 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.</p> <p>Minimum external clearance and creepage distance: 7,9 mm for SMD enclosure and 8,0 mm.for DIP enclosure</p> <p>For ITAV applications, based on test voltages, optocouplers can be used in implementation where required withstand voltages are max. 4,0 kVp/(AC mains max. 300V/OVC III) for SMD enclosures and max. 6,0 kVp/(AC mains max. 300V/OVC IV) for DIP enclosures. Complying other insulation requirements construction of the optocouplers, final assembly as well as environmental conditions shall be considered.</p>
As shown in the Test Report(s) No(s):	298528-2



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