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FIMKO Certificate FI 41592

Vishay Semiconductors

Optocoupler

SGS



CERTIFICATE FI/41592

Our Ref. HEL-CERT200900424-02

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 610G-, SFH 611G-, SFH 615G-, SFH 618G-, SFH 620G-, SFH 628G-, 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 page 2

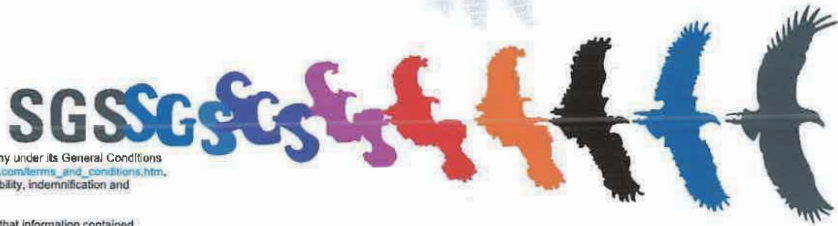
The product is certified according to the following standard(s) EN IEC 62368-1:2020 + A11:2020

Validity This certificate is valid until 2028-01-13 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 2023-01-13

SGS Fimko Ltd

Signature 
Jonas Leinonen
Certification Manager



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SGS Fimko Ltd

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Business ID 0978538-5

Member of the SGS Group (SGS SA)



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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, Mukim Krubung, Melaka, Malaysia

Additional information According to standard EN IEC 62368-1:2020+A11:2020 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 IEC 62368-1:2020+A11:2020 clauses 5.4.9.1 and 5.4.9.2.

Models have been tested and certified by VDE certificate Ref. No. VDE 91888, dated 2022-11-04 according to the standard EN 60747-5-5:2020. The used test voltages for $V_{ini,a}$ and $V_{ini,b}$ are 10 kVpeak.

Minimum external clearance and creepage distance: 7,9 mm for SMD enclosure and 8,0 mm for DIP enclosure

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.

This certificate replaces the previous certificate FI/40820 dated 2020-09-16 due to standard upgrade to EN IEC 62368-1:2020+A11:2020 and addition of new inner, outer mold compound and coupling materials.

As shown in the Test Report(s) No(s): HELES2212001347-1



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