



Optocoupler



CERTIFICATE FI/41409

Our Ref. HEL-CERT220500866-01

Product	Optocoupler
Type	SFH615A, SFH617A, SFH1617A, VO617A, VO618A
Trademark	
Certificate Holder	Vishay Semiconductor GmbH Theresienstrasse 2, D-74072 Heilbronn, Germany
Technical information	Basic/Supplementary/Reinforced insulation Environmental temperature 115 °C
Other information	DIP-4, SMD-4 package
The product is certified according to the following standard(s)	EN IEC 62368-1:2020 + A11:2020

Validity This certificate is valid until 2027-06-02 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 2022-06-02

SGS Fimko Ltd

Signature

Jonas Leinonen
Certification Manager

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

Additional information Operating temperature: 115 °C

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 Vini,a and routine testing voltage Vini,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 40033345, dated 2020-09-16 according to the standard EN 60747-5-5:2011+A1:2015. The used test voltages for Vini,a and Vini,b are 6 kVpeak.

Minimum external clearance and creepage distance: 7,0 mm

For ITAV applications, based on test voltages, optocouplers can be used in implementation where required withstand voltage is max. 4,0kVp (Reinforced, AC mains max. 300V/OVC III). Compliance to other insulation requirements, construction of the optocouplers (enclosure option), as well as environmental conditions shall be considered in final assembly

As shown in the Test Report(s) No(s): HELES2204000444-1

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