

Optocoupler



CERTIFICATE FI/41591

Our Ref. HEL-CERT190300218-02

Product Optocoupler

Type TCMT1100, TCMT1101, TCMT1102, TCMT1103, TCMT1104, TCMT1105, TCMT1106, TCMT1107, TCMT1108, TCMT1109, TCMT1110, TCMT1111, TCMT4100, TCMT4106, TCMT1112, TCMT1113, TCMT1114, TCMT1115, TCMT1116, TCMT1117, TCMT1118, TCMT1119, TCMT1600, TCMT1600T3, TCMT4600, TCMT4600T1, TCMT4606, TCMD1000, TCMD4000, VOS618, VOS628, VOS617, VOS627, VOS615, SFH6916

Trademark 

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

Technical information Basic, supplementary or reinforced insulation.
SSOP-4 and SSOP-16 Half Pitch Mini-Flat Package
Operating temperature 110 °C
Model/type marking on components: See page 2.

Other information -

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

Validity This certificate is valid until 2028-01-10 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 2023-01-10

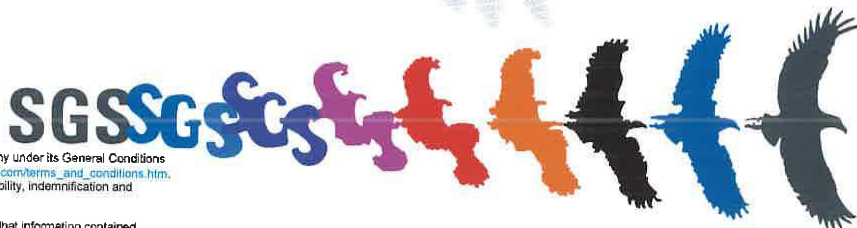
SGS Fimko Ltd

Signature 
Jonas Leinonen
Certification Manager

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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 Melaka, Malaysia

Additional information

Models:	Marked on component:
TCMT110 Series	MT1100 or TCMT4100
TCMT111 Series	MT1110
TCMT1600 Series	MT1600 or TCMT4600
TCMD1000 Series	MD1000 or TCMD4000
VOS6XX Series	6XXwxyz where XX can be either: 15, 17, 18, 27 or 28, w can be any character between A-Z, x can be 0-9 or blank and yz can be X1 or blank.
SFH6916	SFH 6916

Minimum external clearance and creepage distance:
 - SSOP-4 Half Pitch package 5,1 mm
 - SSOP-16 Half Pitch package 5,2 mm

Models have been tested and certified by VDE certificate Ref. No. VDE 128218, dated 2022-11-15, according to the standard EN 60747-5-5:2020. The used test voltages for Vini,a and Vini,b are 6 kVpeak.

For ITAV applications, based on test voltages, optocouplers can be used in implementation where required withstand voltage is max. 2,5 kVp/(AC mains max. 250V/OVC II). 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/40131, dated 2019-04-01, 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): HELES2212001345-1



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