

Optocoupler



CERTIFICATE FI/40973

Our Ref. HEL-CERT210300194-01

Product Optocoupler

Type CNY17, CNY117, 4N25, 4N26, 4N27, 4N28, 4N35, 4N36, 4N37, 4N38, CNY17F, CNY117F, VO302x series

Trademark

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

Technical information Basic/Supplementary/Reinforced insulation
Environmental temperature 100 °C / 110 °C (Appendix).

Other information See page 2 of this Certificate

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

Validity This certificate is valid until 11.3.2026 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 11.3.2021

SGS Fimko Ltd

Signature

Tom Törn
Certification Director

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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

Additional information Models:
1) CNY17, CNY117, CNY17F, CNY117F
2) 4N25, 4N26, 4N27, 4N28, 4N35, 4N36, 4N37, 4N38, VO302x series
Operating temperature: 1) 110 °C, 2) 100 °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.

Additional information (continues) Models have been tested and certified by VDE certificate Ref. No. VDE 40033345 dated 13.03.2019 according to the standard EN 60747-5-5:2011+A1:2015. The used test voltages for Vini,a and Vini,b are 6800 Vpeak.

Minimum external clearance and creepage distance: 7,8 mm

For ITAV applications, based on test voltages, optocouplers can be used in implementation where required withstand voltage is max. 4,0 kVp (Reinforced, AC mains max. 250V/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): 300196-7



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