

Optocoupler

CERTIFICATE FI 29064



Our Ref. 278618-3

Product Optocoupler

Types IL205AT, IL206AT, IL207AT, IL208AT, IL211AT, IL212AT, IL213AT, IL215AT, IL216AT, IL217AT, IL221AT, IL222AT, IL223AT, IL256AT

Trade mark

Certificate Holder/ Manufacturer Vishay Semiconductor GmbH
Theresienstrasse 2
D-74072 HEILBRONN
GERMANY

Technical information Operating temperature 100°C

Other information Basic insulation. SOIC-8 surface mounting package. See the Appendix.

The product is certified according to the following standard(s) EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
EN 60065:2014

Validity This certificate is valid until 02 April 2020 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the European Union. 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 02 April 2015

SGS Fimko Ltd

Signature
Matti Huttunen
Certification Engineer



This certificate has 1 appendix



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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Appendix to Certificate: 29064

Manufacturing site Vishay Semiconductor Malaysia Sdn.Bhd.
No.1710-1, Kawasan Perindustrian Krubong
75250 MELAKA
MALAYSIA

Additional information The product has been tested with relevant parts of standards
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 and
EN 60065:2014

The marking for types IL205AT is 205A, IL206AT is 206A, IL207AT is
207A, IL208AT is 208A, IL211AT is 211A, IL212AT is 212A, IL213AT is
213A,
IL215AT is 215A, IL216AT is 216A, IL217AT is 217A, IL221AT is 221A,
IL222AT is 222A, IL223AT is 223A, IL256AT is 256A.

The following tests have been performed with positive result:

External creepage distance between input and output is more than 2,5
mm; measured a minimum of 4,5 mm.
External clearance between input and output is more than 2,0 mm;
measured a minimum of 4,5 mm.
Measured a minimum of 0,5 mm distance through insulation between
input and output.

Thermal cycling, humidity conditioning and electric strength tests
according to EN 60950-1 clauses 2.10.9 and 2.10.11 have been carried
out for three samples:

- 10 cycles, each cycle: 68h in 110°C, 1h in 25°C, 2h in 0°C and
1h in 25°C.
- After thermal cycling test 1 sample is subjected to electric
strength test at 2400 VAC / 1 min between the input and the
output circuits.
- The remaining 2 samples are subjected to a humidity test for
48h. After the humidity test the 2 samples are subjected to
electric strength test at 2400 VAC / 1 min between the input and
the output circuits.

No additional tests were required by EN 60065:2014 due to similar
requirements of the standard EN 60950-1: 2006 + A11:2009 + A1:2010 +
A12:2011 + A2:2013.

After judgement from case to case, the optocouplers can bridge basic or
supplementary insulation, provided that the ratings in data sheet are not
exceeded in normal operation or under fault conditions in the appliance.

As shown in the Test Report(s) No(s): 278618-3

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