

Optocoupler



CERTIFICATE FI 29423

Our Ref. 282837-2

Product Optocoupler

Type VO3020, VO3021, VO3022, VO3023

Trade mark VISHAY

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

Manufacturer Lite-On Technology Corporation
No. 90, Chien I Road, Chung Ho City
TAIPEI HSIEN, 23585, TAIWAN

Technical information Operating temperature: - 40 to +100°C.
OVC II: max. 250 Vrms / 420 Vpeak, reinforced insulation, or
OVC III: max. 300 Vrms / 420 Vpeak, basic/supplementary insulation

Other information See appendix 1

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Validity This certificate is valid until 14 January 2021 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the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 14 January 2016

SGS Fimko Ltd

Signature *Matti Huttunen*
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: 29423

Manufacturing sites

Lite-On Opto Technology (Changzhou) Co., Ltd.
A1, No.88, Yanghu Road, Wujin Hi-Tech Industrial
Development Zone, 213166 JIANGSU PROVINCE,
CHINA

Additional information



This certificate is based on Lite-On Technology Corp. FI certificate No. 25865. Products in both certificates are identical except for the trade mark and type marking as follows:

Lite-On model (original)	Vishay model
MOC302X series	VO3020, VO3021, VO3022, VO3023

The optocouplers with internal clearance and creepage distance have been evaluated to be connected between primary circuit connected to the a.c. supply mains and secondary circuit connected to SELV.

After judgement from case to case, the optocouplers may also bridge functional, basic and/or supplementary insulation, or may be used in other environments, provided that the ratings are not exceeded in normal operation.

The components are available with three different packages with the following minimum measured values:

- Distance through insulation: 0.6 mm.
- External creepage distance/clearance: 7.8 mm.
- Internal creepage distance: 5.0 mm.
- Insulation between the input and output withstands electric strength test of 3000 V/1 minute; it withstands also electric strength test of 5000 V/1 minute.
- Enclosure of the component withstands electric strength test of 1500 V/1 minute and it fulfils the requirement of basic insulation.
- Enclosure of the component is made of class V-0 material.
- The components are available with the following to material combinations (inner/outer): CV3400 / CV4180 and EC-15 / EME-1100

This certificate replaces the FI certificate No. 27857, dated 17 January 2013 due to the updated version of the standard EN 60950-1 and addition of the standard EN 60065.

Is based on test ref.

282837-2

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