



Optocoupler



Verification Certificate

This is to certify that: Vishay Semiconductor GmbH
Theresienstrasse 2
Heilbronn
74072
Germany

Holds Certificate Number: VC 643588

In respect of:

BS EN 62368-1:2014 Audio/Video, information and communication Technology Equipment
Clauses 5.4, 5.5 & 6.4.5

Type samples representative of the products listed have been tested and examined to the relevant requirements of the normative reference listed and have been found to comply with these requirements as detailed in the related Test Report as listed on page 2

[Handwritten signature]

For and on behalf of BSI: Frank Lee, Product Certification Technical and Compliance Director

First Issued: 2015-11-03
Latest Issue: 2021-11-19

Effective Date: 2021-11-19
Expiry Date: 2023-08-25

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## Verification Certificate

No. VC 643588

Test Report Number: 3492979

### Product Description

Optocoupler types:

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

As rated below:

- |     |   |                          |
|-----|---|--------------------------|
| 1.  | Hygroscopic/asbestos/natural rubber materials used: | No                       |
| 2.  | Insulation system:                                  | Reinforced               |
| 3.  | Mains supply voltage:                               | ≤250 V r.m.s             |
| 4.  | RMS working voltage:                                | ≤400 V r.m.s             |
| 5.  | Peak working voltage:                               | 2000 V peak              |
| 6.  | Overvoltage category:                               | II                       |
| 7.  | Pollution degree:                                   | External 2<br>Internal 1 |
| 8.  | Maximum operating temperature:                      | 115 °C                   |
| 9.  | Clearance distance:                                 | ≥3.0 mm                  |
| 10. | Creepage distance:                                  | ≥8.0 mm                  |
| 11. | Clearance distance along cemented joint:            | ≥3.0 mm                  |
| 12. | Creepage distance along cemented joint:             | ≥3.0 mm                  |
| 13. | Distance through insulation:                        | ≥0.4 mm                  |
| 14. | Comparative Tracking Index (CTI):                   | 175 ≤ CTI ≤ 400          |
| 15. | Material Group:                                     | IIIa                     |

Working parameters:

Mains transient voltage (withstand voltage):	2500 V peak
Thermal cycling storage temperature:	125 °C
Thermal cycling electric strength test voltage:	4000 V peak

In respect of BS EN 62368-1:2014 Clause 6.4.5, samples passed the flammability requirements in accordance with EN 60747-5-5:2001 Clause 7.4.3.6.1

Note: This certificate has been issued for the renewal of VC 643588.

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