

# Optocoupler

## Test Certificate

Electronic components



Certificate No 7956

This is to certify that Optocoupler types as listed in the schedule to this certificate

Submitted by Vishay Semiconductor GmbH  
Theresienstraße 2  
D-74072 Heilbronn  
Germany

have been tested by BSI in accordance with PS082 and Test Leaflet 5 to BS EN 60950-1:2006 Sub-clauses 2.9.1, 2.10.1, 2.10.5.2, 2.10.5.3, 2.10.5.4, 2.10.9, 2.10.11, 4.7.3.4 (Clause A.2.7) and 5.2.2 in accordance with TL5

Details of the scope of the testing are given in BSI Report No CP002290 Issue 2 and any addenda thereto.

Signed



Issue date 22 February 2008

Expiry date 21 February 2010

Attention is drawn to the conditions under which this certificate is issued, namely:

1. The general conditions relating to acceptance of testing (PS082) and the specific conditions (Test Leaflet No TL5 or TL22 as stated above) apply in all respects.
2. This certificate may not be published except in full including any schedule unless permission for the publication of an approved extract has been obtained in writing from the Managing Director of BSI Product Services.
3. This certificate is valid until the expiry date shown above. It shall then be considered cancelled and withdrawn and shall not be used in any way whatsoever.
4. If BSI is satisfied that the manufacturer is marketing what is purporting to be the same model of component but which has been altered or modified or is in any material aspect different from the item tested or is satisfied in respect of evidence discovered by or submitted to it that components purported to be identical to that originally certified are no longer meeting any part of the requirements of the original examination and tests then the certificate will be immediately withdrawn and shall not be used in any way whatsoever.

Prepared by: BSI Product Services Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SQ



Schedule to Test Certificate No 7956  
 Schedule issue date 17 September 2009  
 Test Certificate expiry date 21 February 2010



Optocoupler in DIP-6 packages, (Single channel SCR and TRIAC)

Using lead frame:	1001-9001-1AC	1001-9211-1AC	10+01-9211-1AC
	IL4116	IL440-1	K3010P
	IL4117	IL440-2	K3011P
	IL4118	IL440-3	K3012P
		IL440-4	
	IL4216	IL440-5	K3020P
	IL4217	IL440-6	K3021P
	IL4218		K3022P
			K3023P
			K3036P

Including lead bending options 1, 6, 7, 8, 9

As rated below

**Reinforced Insulation**

Mains supply voltage:  $\leq 300$  V r.m.s. (Standard lead bending option 1)  
 $\leq 400$  V r.m.s. (Lead bending options 6, 7, 8, 9)  
 Working voltage:  $\leq 300$  V r.m.s. (Standard lead bending option 1)  
 $\leq 400$  V r.m.s. (Lead bending options 6, 7, 9)  
 Peak working voltage: 640 V (Standard lead bending option 1)  
 None (Lead bending options 6, 7, 8, 9)  
 Overvoltage category: II  
 Pollution degree: 2  
 Flammability Sub-clause 4.7.3.4 (Clause A.2.7): Pass  
 Maximum operating temperature: 100 °C

**Supplementary or Basic or Functional Insulation**

Mains supply voltage:  $\leq 600$  V r.m.s. (All lead bending)  
 Working voltage:  $\leq 600$  V r.m.s. (All lead bending)  
 Peak working voltage: None  
 Overvoltage category: II  
 Pollution degree: 2  
 Flammability Sub-clause 4.7.3.4 (Clause A.2.7): Pass  
 Maximum operating temperature: 100 °C

This schedule must be read in conjunction with the test certificate identified above and may not be published except in full including the certificate.

Prepared by: BSI Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SQ