

# Declaration of Conformity

Part #: 282-0740 Rev 07-09

**Manufacturer's Name:** IOtech  
**Manufacturer's Address:** 25971 Cannon Road  
Cleveland, Ohio 44146 USA


*Declares that the product:*

**Product Name:** DBK23  
**Description:** Optically Isolated Digital-Input Module

*Conforms to the following standards:*

<b>Safety</b>	Low-Voltage Directive 2006/95/EC, EN 61010-1; 2001
<b>EMC</b>	EMC Directive 2004/108/EC as defined by Standard: EN 61326-1:2006 (IEC 61326-1:2005)
<b>CISPR 22:1993</b>	Radio Disturbance
<b>EN 55022:1998</b>	Conducted and Radiated Emissions
<b>EN 50082-1:1994</b>	IEC 801-2:1991 – Electrostatic Discharge Immunity
<b>IEC 61000-4-3:2002</b>	Radiated Electromagnetic Field Immunity
<b>IEC 61000-4-4:2004</b>	Electric Fast Transient Burst Immunity
<b>IEC 61000-4-5:2001</b>	Surge Immunity

**EMC Testing:** Chomerics Test Services, Woburn, Mass. 01801, U.S.A.  
**Date:** February 24, 2009  
**Test Report #:** EMI5269.09  
**Date Issued:** July 17, 2009  
IOtech  
25971 Cannon Road  
Cleveland, OH. 44146 U.S.A .

**Signature:**   
**Full Name:** Carl Haapaoja  
**Position:** Director of Quality Assurance

## CE Compliant Operating Conditions

**Product Name:** DBK23  
**Description:** Optically Isolated Digital-Input Module

To maintain the safety, emission, and immunity standards of this declaration, the following conditions must be met.

- \* P1 and strain-gage cables must have a braided shield connected circumferentially to their connectors' metal shells.
- \* All cable screw locks must be tightened at both ends of the cable.
- \* The host computer must be properly grounded.

**Note** Data acquisition equipment may exhibit noise or increased offsets when exposed to high RF fields (>1V/m) or transients.



The operator must observe all safety cautions and operating conditions specified in the documentation for all hardware used.



The host computer, peripheral equipment, power sources, and expansion hardware must be CE compliant.



All power must be off to the DBK23 and externally connected equipment before internal access to the DBK23 is permitted.



To maintain safety compliance, the following limits apply:

Channel-to-channel isolation:  $\pm 60$  VDC, 30 Vrms

Channel-to-system isolation:  $\pm 60$  VDC, 30 Vrms

Channel-to-DC supply:  $\pm 60$  VDC, 30 Vrms



Replacement fuse is a 1/2A slow-blow (Littelfuse #313.500).

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