



FM Approvals
1151 Boston-Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781 762 9375 www.fmglobal.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:



FL1 Series. Idec Smart Relay Modules

NI / I / 2 / ABCD / T*

NI / I / 2 / IIC / T**

Special Condition of Use:

1) The modules shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Model No.	Description	T*	T**	Tambient
FL1A-B10RCA	4 Relay Output Channels	T4A	T4	55°C
FL1A-B10RCB	4 Relay Output Channels	T4A	T4	55°C
FL1A-B12RCE	4 Relay Output Channels	T4A	T4	55°C
FL1A-H10RCA	4 Relay Output Channels	T4A	T4	55°C
FL1A-H10RCB	4 Relay Output Channels	T4A	T4	55°C
FL1A-H12RCE	4 Relay Output Channels	T4A	T4	55°C
FL1A-H12SND	4 Transistor Output Channels	T5	T5	55°C
FL1B-B12RCA	4 Relay Output Channels	T4A	T4	55°C
FL1B-B12RCC	4 Relay Output Channels	T4A	T4	55°C
FL1B-B12RCE	4 Relay Output Channels	T4A	T4	55°C
FL1B-H12RCA	4 Relay Output Channels	T4A	T4	55°C
FL1B-H12RCC	4 Relay Output Channels	T4A	T4	55°C
FL1B-H12RCE	4 Relay Output Channels	T4A	T4	55°C
FL1B-H12SND	4 Transistor Output Channels	T5	T5	55°C
FL1B-J2B2	2 Analog Input Channels	T4A	T4	55°C
FL1B-M08B1S2	4 Transistor Output Channels	T4A	T4	55°C
FL1B-M08B2R2	4 Relay Output Channels	T4A	T4	45°C
FL1B-M08C2R2	4 Relay Output Channels	T4A	T4	45°C
FL1B-M08D2R2	4 Relay Output Channels	T4A	T4	55°C



Equipment Ratings:

Nonincendive for Class I, Division 2, Groups A, B, C and D and Class I, Zone 2, Group IIC indoor hazardous (classified) locations.

Approved for:

Idec Izumi Corp.
7-31 Nishimiyahara 1-Chome
Yodogawa-Ku
Osaka 532 8550
Japan





This certifies that the equipment described has been found to comply with the following FM Approval Standards and other documents:

Class 3600	1998
Class 3611	1999
Class 3810	1989

Original Project ID: 3009952

FM Approval Granted: February 15, 2001

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
3012509	January 29, 2002		
3012874	January 29, 2002		
3016012	May 9, 2003		



FM Global Technologies LLC

Nicholas P. Ludlam
Technical Team Manager

May 30, 2003
Date



Member of the FM Global Group

FM Approvals
1151 Boston-Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781 762 9375 www.fmaprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

IDEC Smart Relay

NI / I / 2 / ABCD / T* Ta = 55°C
NI / I / 2 / IIC / T** Ta = 55°C

Table with 4 columns: Model, Product, T-Code*, T-Code**. Rows include models like FL1D-H12RCC, FL1D-H12RCA, etc.



Special Condition of Use:

1. The modules shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application, including a tool removable cover.

Equipment Ratings:

Nonincendive for Class I, Division 2, Groups A, B, C, and D Hazardous (Classified) Locations with a T4 temperature classification.

Nonincendive for Class I, Division 2, Group IIC Hazardous(Classified) Locations with a T4 temperature classification

FM Approved for:

IDEC Corporation
Osaka, Japan



Member of the FM Global Group

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	1998
Class 3810	2005
Class 3611	2004



Original Project ID: 3025775

Approval Granted: 2/28/06

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
---------------	------	---------------	------

FM Approvals LLC



 George A. Smith
 Assistant Vice President

2/28/06

 Date