

Statement for issuing a Co-Certificate

Report-No.: 968/EZ 190.03/09

Date: 2009-03-04

Pages: 4

Type designation of approved and certified product: Safety I/O Terminals DST1- series
DST1-ID12SL-1
DST1-MD16SL-1
DST1-MRD08SL-1

Type designation at the co-certificate applicant: Safety I/O Modules
1791DS Series DeviceNet
1791DS-IB12, 1791DS-IB8XOB8, 1791DS-IB4XOW4

Co-certificate applicant: Rockwell Automation Inc.
1 Allen-Bradley Drive
Mayfield Heights, OH 44124-6118
United States of America

**Manufacturer/
original certificate holder:** OMRON Corporation
Safety Standards Group
Shiokoji Horikawa, Shimogyo-ku
Kyoto 600-8530
Japan

Order-No./Date: 7000027024 dated 2009-03-03

Test Institute: TÜV Rheinland Industrie Service GmbH
Automation, Software and Information Technology (ASI)
Am Grauen Stein
51105 Köln
Germany

TÜV-Offer-No./Date: 968/80/09 dated 2009-02-26

TÜV-Order-No./Date: 10165239 dated 2009-03-02

Inspector: Dipl.-Ing. Gernot Klaes

The test results are exclusively related to the test samples.

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1. Scope

This document shall serve as the basis for the issue of an additional certificate for the co-certificate applicant stated on the front page.

The manufacturer/original certificate holder OMRON Corporation and the co-certificate applicant Rockwell Automation Inc. have declared, that the previously type approved and certified product of the manufacturer and the product, which is sold by the co-certificate applicant under his own trade name and/or type designation are technically identical.

The products in question are specified on the front page.

This report was issued, because the manufacturer/original certificate holder has modified the Safety I/O Terminals DST1- series.

2. Standards forming the basis for the requirements

- [S1] EN ISO 13849-1:2008 Safety of machinery - Safety related parts of control systems
Part 1: General principles for design
- [S2] EN ISO 13849-2:2008 Safety of machinery - Safety related parts of control systems
Part 2: Validation
- [S3] IEC 62061:2005 Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems
- [S4] IEC 61508 part 1-7: 12/98 - 05/00 Functional safety of electrical/electronic/programmable electronic safety-related systems
- [S5] EN 954-1:1996 Safety of machinery, Safety related parts of control systems
Part 1: General principles of design

(ISO 13849-1:1999 Safety of machinery - Safety related parts of control systems
Part 1: General principles for design)
- [S6] IEC 61131-2:2007 Programmable Controllers
- [S7] EN 60204-1:2006 Safety of machinery - Electrical equipment of machines
- [S8] EN 61000-6-2:2005 Generic Standards; Immunity for industrial environments
- [S9] EN 61000-6-4:2007 Generic standards; Emission standard for industrial environments
- [S10] ISO 13850:2008 Safety of machinery - Emergency stop - Principles for design
- [S11] NFPA 79:2007 Electrical Standard for Industrial Machinery
- [S12] ANSI/RIA R15.06-1999 American National Standard for Industrial Robots and Robot Systems - Safety Requirements
- [S13] ANSI B11.19-2003 American National Standard for Machine Tools - Performance Criteria for Safeguarding

3. Identification of the brand-label product

3.1 Technical data

According to declarations of the manufacturer and the co-certificate applicant the products identified on the front page are technically identical.

Both partners also confirmed, that all safety relevant information printed in the user manual and on the product are equal in content (see 968/EZ 190.00/05 in details).

3.2 Documents

The following documents have been provided:

No.	Title	Rev.	Date
[1]	Safety I/O Terminal Revision List Document Number: CNS-LSE-04003	2.1	2008-05-22
[2]	Appendix 1: 1791DS Functional Specification Document Number: CNS-SPJ-070049	0.5	2008-05-14
[3]	Appendix 2: UL requirement for the descriptions of the response time on the product Filename: Appendix2_UL requirement_1791DS.pdf	-/-	-/-
[4]	Appendix 3: Insulation Improvement (IB4XOB4 only) Filename: Appendix3_Insulation_Improvement_1791DS- IB4XOW4.pdf	-/-	-/-
[5]	11791DS_Installation_Instructions_Page2.pdf	-/-	-/-
[6]	DeviceNet TM Safety Composite Test S4 Result ODVA File Number 10311.02 DeviceNet Safety Composite 1791DS-IB8XOB8	-/-	2009-02-05
[7]	DeviceNet TM Safety Composite Test S4 Result ODVA File Number 10208.02 DeviceNet Safety Composite 1791DS-IB12	-/-	2009-02-02
[8]	DeviceNet TM Safety Composite Test S4 Result ODVA File Number 10265.02 DeviceNet Safety Composite 1791DS-IB4XOW4	-/-	2009-02-04

3.3 Previous test reports

For the certified product:

- 968/EZ 180.03/05, Summary report on the type approval of the Safety I/O Terminals;
dated 2005-06-28
- 968/EZ 180.10/08, Test report on the approval of the Safety I/O Terminals DST1 regarding
the requirements to the revision of standards, dated 2008-06-10
- 968/EZ 180.11/08, Report on the modifications at the type approved DST1-series Safety I/O
Terminals DST1-ID / -MD / -MRD, dated 2008-11-07

For the co-certificate product:

- 968/EZ 190.00/05, Test report on the type approval of 1791DS Series DeviceNet Safety I/O Modules 1791DS-IB12 and 1791DS-IB8XOB8, dated 2005-01-28
- 968/EZ 190.01/05, Test report on the type approval of 1791DS Series DeviceNet Safety I/O Modules 1791DS-IB12, 1791DS-IB8XOB8 and 1791DS-IB4XOW4 dated 2005-08-02
- 968/EZ 190.02/05, Acknowledgment and statement to product change, dated 2005-11-30

4. Statement of the Test Institute

As the products identified on the front page are technically identical in the relevant parts, the results of the type approval of the original product, which are documented in the above listed previous test reports, are also valid for the product of the co-certificate applicant.

The test results apply to the original product as well as to the brand-label product of the co-certificate applicant.

Cologne, 2009-03-04
TIS/ASI/Kst. 968 kg-nie

Report released after review:
Date: 2009-03-04

The inspector



Dipl.-Ing. Gernot Klaes

Dr.-Ing. Thorsten Gantevoort

Statement of the Certification Body:

According to the statement of the Test Institute a co-certificate for Rockwell Automation Inc. shall be issued.

Cologne, 2009-03-04
TIS/ASI/Kst. 968 ga-nie

Certification body



Dipl.-Ing. Heinz Gall