



EC Declaration of Conformity

We hereby declare that the following product is in conformity with the requirements of the following EC Directives:

Product: Type D4BS series
Safety Door Lock Switch with Direct Opening Action

No. of Directive : 2006/42/EC including amendments
Title of Directive : Machinery Safety Directive

This product is designed and manufactured in accordance with the following standards :

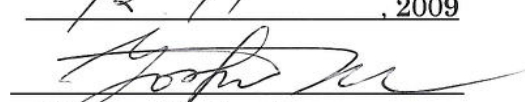
Machinery safety : EN60947-5-1: 2004,
EN1088: 1995+A2: 2008, Clause 5.7.2.2 and 6.2.1.2

Description of Product

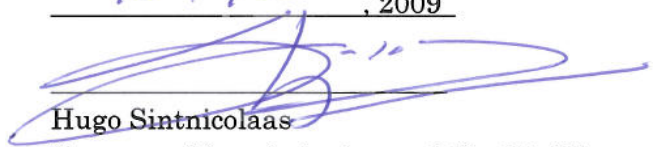
These devices feature direct opening action according to EN60947-5-1 and are intended for safety-related application in machinery.

Year of CE marking : 2003

Manufacturer :

Name : Omron Corporation,
Industrial Automation Company,
Business Development Dept. Safety Division
Address : Shiokoji Horikawa, Shimogyo-ku, Kyoto, 600-8530 Japan
Date : 12/11, 2009
Signed : 
Yoshinori Matsueda
Manager

Representative in EU:

Name: Omron Europe B.V.
Address: Zilverenberg 2, 5234 GM, 's-Hertogenbosch, The Netherlands
Date: 15/12, 2009
Signed: 
Hugo Sintnicolaas
European Manufacturing and Quality Manager

List of EC Declaration of Conformity

Type: D4BS series

[illegible]

Zertifikat

mit überwachter Konformität of surveyed conformity

Certificate



Zertifikat Nr. Certificate No.

J 50084815

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0001

Ihr Zeichen Client Reference

03IA017

Unser Zeichen Our Reference

ZO-CSH- 12305214 001

Ausstellungsdatum

23.05.2006

Date of Issue

(day/mo/yr)

Genehmigungsinhaber License Holder

Omron Corp.

Shiokoji Horikawa, Shimogyo-ku

Kyoto-shi, Kyoto 600-8530

Japan

Fertigungsstätte Manufacturing Plant

Omron Izumo Co., Ltd.

626-1 Nishi-Hayashigi-cho

Izumo-shi, Shimane 693-0073

Japan

Prüfzeichen Test Mark

Geprüft nach Tested acc. to

GS-ET-15:2001

EN 60947-5-1:2004



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Safety Door Interlock Switch

Type Designation : D4BS - II III IV S - VII-VIII
II, III, IV, VII, VIII = (see Appendix 1)

8

Rated Voltage : AC 400V, 50/60Hz

Rated Current : 2A

Utilization Category : AC-15

Rated Conditional

Short-circuit Current : 100A

IP-degree : IP67

Pollution Degree : 3, internally 2

Overvoltage Category : II

Remark : Reissue of R 9351022, due to standard update.

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ANLAGE (Appendix) : 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above-mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Dipl.-Ing. M. Geiser

Zertifikat

mit überwachter Konformität of surveyed conformity

Certificate



Zertifikat Nr. Certificate No.

J 50084815

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0002

Ihr Zeichen Client Reference

03IA017

Unser Zeichen Our Reference

ZO-CSH- 12305214 001

Ausstellungsdatum

23.05.2006

Date of Issue

(day/mo/yr)

Genehmigungsinhaber License Holder

Omron Corp.

Shiokoji Horikawa, Shimogyo-ku

Kyoto-shi, Kyoto 600-8530

Japan

Fertigungsstätte Manufacturing Plant

Togo Electronics Works Co., Ltd.

906-1 Kadota, Yurihama-cho

Tohaku-gun, Tottori 689-0736

Japan

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

GS-ET-15:2001

EN 60947-5-1:2004

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Safety Door Interlock Switch

Additions

Accessories

ACTUATING KEY

Type Designation : D4BS - K II III
II, III = (see Appendix 1)

2

Factory : (see above)

2

ANLAGE (Appendix) : 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above-mentioned requirements, the production is subject to surveillance.

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TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Dipl.-Ing. M. Geiser

Constructional Data Form (GS-ET-15)

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TYPE NOMENCLATURE:

Door Switch D4BS

D4BS - 1 5 F S - # # - #
I II III IV V VI VII VIII

I - Basic type
D4BS

II - Conduit variation

- 1: PG13.5
- 2: G1/2
- 3: 1/2-14NPT
- 4: M20
- 5: PG13.5 (3 conduits type)
- 6: G1/2 (3 conduits type)
- 7: 1/2-14NPT (3 conduits type)
- 8: M20 (3 conduits type)

III - Switch mechanism

- 5: 1NC/1NO (slow action)
- 6: 1NC/1NO (slow action) (Gold plated contact)
- 7: 1NC/1NO (slow action) (Make before break type)
- 8: 1NC/1NO (slow action) (Make before break type) (Gold plated contact)
- A: 2NC (slow action)
- B: 2NC (slow action) (Gold plated contact)

All of above types have direct opening mechanism.

IV - Head direction

- F: Front
- R: Right
- L: Left
- B: Back

Head direction is easily changeable to above four directions by users.

V - Head variation

- S: Standard

VI - Indicator

- Blank : without indicator

VII - Body color

- Blank : Standard color
- R : Red

VIII - Customer code

- Blank : Standard

Customer code - maximum 6 digit letter(s) and/or number(s)

Köln, den

28.4.06

TÜV Rheinland

Product Safety GmbH

Omron Izumo Co., Ltd.
(Place)

April 26, 2006
(Date)

K. Nakashima
(Stamp and Signature of Applicant)

Constructional Data Form (GS-ET-15)

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Actuating Key (Tounge) D4BS

D4BS - K 1 - #
I II III

I - Basic type
D4BS-K

II - Operation Key Type
1: Parallel type
2: Vertical type
3: Adjustable type
#: Other type code - maximum 3 digit letter(s) and/or number(s)

III - Customer Code
Blank : Standard
: Customer code - maximum 6 digit letter(s) and/or number(s)

Köln, den



TÜV Rheinland
Product Safety GmbH

Omron Izumo Co., Ltd.
(Place)

April 26, 2006
(Date)

K. Nakashima

(Stamp and Signature of Applicant)



NKCR.E76675 Auxiliary Devices

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Auxiliary Devices

[See General Information for Auxiliary Devices](#)

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E76675

SAFETY STANDARDS GROUP
IAB QUALITY & ENVIRONMENT DEPT
SHIOKOJI HORIKAWA, SHIMOGYO-KU
KYOTO, 600-8530 JAPAN



Trademark and/or Tradename:

Door lock switch, Type D4GL followed by 1, 2, 3 or 4, followed by A through H or J through M, followed by B, F, L, R, D, E, G or H, followed by A, G or N, may be followed by A, B or C, may be followed by 4, may be followed by N, may be followed by additional letter(s) and/or number(s).

Door switches, Type D4BS followed by 1, followed by 1, followed by B, F, L or R, followed by S, followed by F, followed by 1, may be followed by additional letter(s) and/or number(s).

Type D4BL Series followed by 1, 2, 3, or 4, followed by C, D, E or F, followed by A, B, C, D, E, F or G, followed by blank, A, B, C, D, E or F, followed by blank, 12-30 or T, followed by blank or maximum 6 digits of letters and/or numbers.

Type D4GS may be followed by 1, 2, 3 or 4, may be followed by up to two letters and/or numbers, may be followed by up to six letters and/or numbers.

Type D4GS-N followed by 1, 2, 3 or 4, followed by R or T, may be followed by 3, 5 or up to two letter and/or numbers, may be followed by up to six letters and/or numbers.

Type D4GS-NK followed by 1, 2 or 4, may be followed by E, may be followed by up to six letters and/or numbers.

Type D4NL followed by 1, 2, 3 or 4, followed by A through H, J through N or P, followed by B, D, E, F, G, L or R, followed by A, B, C, D, E, F, G, H, J, K or L, may be followed by A through F, may be followed by 4, may be followed by S, may be followed by Z, may be followed by additional letter(s) and/or number(s).

Type D4NS followed by 1 through 9 or A, B or C, followed by A through F, followed by B, D, E, F, G, H, L or R, may be followed by additional letter(s) and/or number(s).

Type D4N may be followed by A or H, followed by 1 through 9 or A, B or C, followed by 1, 2 or A through G, followed by 20, 21, 21-TK, 22 through 29, 2B, 2C, 2D, 2G, 2H, 2J, 2L, 31, 32, 34, 62, 63, 72, 80, 87, RE, LE, AS, BC or AS1, may be followed by R, may be followed by additional letter(s) and/or number(s).

Type D4N, followed by blank, followed by 9, followed by 1, followed by 20, followed by GP.

Type D4JL, followed by 1, 2, 3 or 4, followed by A through H, J through N or P through R, followed by D or F, followed by A, G or K, followed by C or D, followed by 5, 6 or 7, followed by blank, followed by blank, Y or Z, may be followed by four alphanumeric code, may be followed by six digit maximum alphanumeric code.

Interlock relay, Cat. No. D9MCD1.

Limit switches, Type D4C may be followed by C, followed by 1, 2, 3, 4, 5 or 6, may be followed by additional suffix numbers.

Type D4C followed by 10, 20, 30, A0, C0 or D0, followed by a two digit number, followed by DRAJ01 or ARAJ01, may be followed by additional letters and/or numbers.

Type D4BS followed by -1, -2, -3, -4, -5, -6, -7 or -8, followed by 5, 6, 7, 8, A or B, followed by F, R, L or B, followed by S, may be followed by LD or LE, may be followed by additional numbers and/or letters.

Type D4A receptacle Cat. No. D4A- followed by 1000N through 6000N, 1000, 2000, 3000, 4000, 5000 or 6000, may be followed by additional numbers and/or letters; actuator head Cat. No. D4A-00 followed by 01N through 06N, 07-VN, 07-HN, 08N through 12N or 14N through 20N or 24N, may be followed by additional letters and/or numbers; body Cat. No. D4A-0 followed by 100N, 300N, 500N, 700N or 900N, may be followed by additional numbers and/or letters.

Type D4F followed by 1 through 5, followed by 0 or 2, followed by 0, 2, 3, G or H, followed by a number, followed by R, L or D, may be followed by letters and/or numbers.

Type D4A, followed by 3, may be followed by E, followed by 01-06, 07-V, 07-H, 08-12, 14-20 or 24, may be followed by N, followed by GM or KGM, may be followed by additional letter(s) and/or number(s).

Type SHL, followed by D, Q or W, with or without 1 or 2 digit number, followed by 55, followed by blank, followed by blank, L, L6 or L7, followed by blank, MD, ML or MR, followed by blank, 2 or 3, followed by blank, TC or TH, followed by blank or 11; followed by blank or T; followed by blank or up to six additional letters and/or numbers.

Type WL may be followed by R, may be followed by 01, may be followed by A or B, may be followed by M, followed by C#, D#, G#, H#, NJ# or SD#, where # is up to a ten digit symbol of letters and/or numbers, may be followed by 10, 31 or RP, may be followed by P1, may be followed by 55, may be followed by T, TC, TC2 or TH, may be followed by 13##, 14##, RP4##, RP5## or RP6##, where ## is a one or two digit symbol of letters and/or numbers, may be followed by C, G, G1, TS or Y, may be followed by LD, LDN or LE, may be followed by A or F, may be followed by S, may be followed by DGJS03, DGJ###, DK1CJ###, DK1EJ###, M1J###, M1GJ###, M5J###, DHJS###, AGJ###, AK1EJ###, AK1J###, AK4EJ### or K###, where ### is up to a five digit symbol of letter(s) and/or number(s), may be followed by up to a five digit symbol of letters and/or numbers.

Type WL, may be followed by R, followed by C, D, G, H, NJ, or SD, followed by a number, may be followed by LD, followed by GM, KGM or K-GM, may be followed by additional letter(s) and/or number(s).

Type D4B-F, followed by 1, 2, 3 or 4, followed by 1, 2 or 3, followed by 11, 15, 1F or 1R, followed by F, may be followed by 1, followed by additional letter(s) and/or number(s).

Types ZE, ZV, ZV2 may be followed by -01 or Y, followed by N or Q, followed by 6 letters and/or numbers, may be followed by 2, may be followed by G, G1, S or Y, may be followed by TC or TH, may be followed by additional letters and/or numbers.

Type D4B followed by -1, -2, -3, -4, -5, -6, -7 or -8, followed by 1, 2, 3, 4, 5, 6, 7, 8, A, B, C or D, followed by 1 thru 8 or 00, may be followed by up to two numbers or letters, followed by N, may be followed by LD or LE, may be followed by letters and/or numbers.

Magnetically actuated interlock switches, Models D40B-J1X, -J2X.

Magnetically actuated switches, Cat. Nos. D40B-1B3, D40B-1B10, D40B-1D3, D40B-1D10, D40B-A1, D40B-S1B3, D40B-S1B10, D40B-S1D3, D40B-S1D10, D40B-2B3, D40B-2B10, D40B-2D3, D40B-2D10, D40B-A2, D40B-S2B3, D40B-S2B10, D40B-S2D3, D40B-S2D10, D40B-3D5C, D40B-3E5C, D40B-A3, D40B-S3D5C, D40B-S3E5C, D40B-J1, D40B-J2.

Non-contact safety door switch, Model(+) D40A-1C followed by 2 or 5.

Non-contact door switch, Actuator only Model D40A-A1.

Non-contact door switch, Sensor only Model D40A-S1C followed by 2 or 5.

Pendant enable switch, Model A4EG- followed by B or C, followed by 00, E1, E2, M2, P1 or P2, followed by 0, B, R, Y or G, followed by 0, followed by 1, 2 or 4, followed by 0 or 1, may be followed by A, may be followed by letters B through Z, b through z, and/or numbers.

Thermal overload relays, Cat. Nos. J7TL-D2, -E2, -F2, J7TL-D, -E, -F, -A, -B, -C.

Terminal relay, Model F3SP-T01.

(+) = Additional functional safety investigation was completed to UL 991 and IEC 60947-5-3.

Last Updated on 2009-10-22

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Auxiliary Devices Certified for Canada

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E76675

SAFETY STANDARDS GROUP
IAB QUALITY & ENVIRONMENT DEPT
SHIOKOJI HORIKAWA, SHIMOGYO-KU
KYOTO, 600-8530 JAPAN

Auxiliary contact blocks, Cat. Nos. J73L-B, J73L-C, J7L-BR.

Door lock switch, Type D4GL followed by 1, 2, 3 or 4, followed by A through H or J through M, followed by B, F, L, R, D, E, G or H, followed by A, G or N, may be followed by A, B or C, may be followed by 4, may be followed by N, may be followed by additional letter(s) and/or number(s).

Door switches, Type D4BL Series, followed by 1, 2, 3, or 4, followed by C, D, E or F, followed by A, B, C, D, E, F, or G, followed by blank, A, B, C, D, E, or F, followed by blank, 12-30, or T, followed by blank or maximum 6 digits of letters and/or numbers.

Type D4GS may be followed by 1, 2, 3, or 4, may be followed by up to two letters and/or numbers, may be followed by up to six letters and/or numbers.

Type D4GS-N followed by 1, 2, 3 or 4, followed by R or T, may be followed by 3, 5 or up to two letter and/or numbers, may be followed by up to six letters and/or numbers.

Type D4GS-NK followed by 1, 2 or 4, may be followed by E, may be followed by up to six letters and/or numbers.

, Type D4BS followed by 1, followed by 1, followed by B, F, L or R, followed by S, followed by F, followed by 1, may be followed by additional letter(s) and/or number(s).

Hand mixer, Model KJ-805.

Interlock relay, Cat. No. D9MCD1.

Limit switches, Type D4B-F, followed by 1, 2, 3 or 4, followed by 1, 2 or 3, followed by 11, 15, 1F or 1R, followed by F, may be followed by 1, followed by additional letter(s) and/or number(s).

Cat. No. D4C may be followed by C, followed by 1 or 2, may be followed by additional number or letters.

Type D4C may be followed by C, followed by 1, 2, 3, 4, 5 or 6, may be followed by additional suffix numbers.

Type D4C followed by 10, 20, 30, A0, C0 or D0 followed by a two digit number, followed by DRAJ01 or ARAJ01, may be followed by additional letter(s) and/or numbers.

Type D4BS followed by -1, -2, -3, -4, -5, -6, -7 or -8, followed by 5, 6, 7, 8, A or B, followed by F, R, L or B, followed by S, may be followed by LD or LE, may be followed by additional numbers and/or letters.

Type D4A, Receptacle Cat. No. D4A- followed by 1000N through 6000N, 1000, 2000, 3000, 4000, 5000 or 6000, may be followed by additional numbers and/or letters; Actuator head Cat. No. D4A-00 followed by 01N through 06N, 07-HN, 07-VN, 08N through 12N or 14N through 20N or 24N, may be followed by additional letters and/or numbers; Body Cat. No. D4A-0 followed by 100N, 300N, 500N, 700N, 900N, may be followed by additional numbers and/or letters.

Type D4A, followed by 3, may be followed by E, followed by 01-06, 07-V, 07-H, 08-12, 14-20 or 24, may be followed by N, followed by GM or KGM, may be followed by additional letter(s) and/or number(s).

Type D4F, followed by 1 through 5, followed by 0 or 2, followed by 0, 2, 3, G or H, followed by a number, followed by R, L or D, may be followed by additional letters and/or numbers.

Type SHL, followed by D, Q or W, with or without 1 or 2 digit number, followed by 55, followed by a blank, followed by blank, L, L6 or L7, followed by blank, MD, ML or MR, followed by a blank, 2 or 3, followed by a blank, TC or TH, followed by blank or 11, followed by blank or T; followed by a blank or up to six additional letters and/or numbers.

Type WL may be followed by R, may be followed by 01, may be followed by A or B, may be followed by P, followed by C#, D#, G#, H#, NJ# or SD#, where # is up to a ten digit symbol of letters and/or numbers, may be followed by 10, 31 or RP, may be followed by P1, may be followed by 55, may be followed by T, TC, TC2 or TH, may be followed by 13##, PR4##, PR5## or RP6##, where ## is a one or two digit symbol of letters and/or numbers, may be followed by C, G, G1, TS or Y, may be followed by LD, LDN or LE, may be followed by A or F, may be followed by S, may be followed by DGJS03, DGJ###, DK1CJ###, DK1EJ###, M1J###, M1GJ###, M5J###, DHJS###, AGJ###, AK1EJ####, AK1J####, AK4EJ### or K###, where ### is up to a five digit symbol of letter(s) and/or number(s), may be followed by up to a five digit symbol of letters and/or numbers.

Type WL, may be followed by R, followed by C, D, G, H, NJ, or SD, followed by a number, may be followed by LD, followed by GM, KGM or K-GM, may be followed by additional letter(s) and/or number(s).

Types ZE, ZV, ZV2 may be followed by -01 or Y, followed by N or Q, followed by six letters and/or numbers, may be followed by 2, may be followed by G, G1, S or Y, may be followed by TC or TH, may be followed by additional letters and/or numbers.

Type D4B followed by -1, -2, -3, -4, -5, -6, -7 or -8, followed by 1, 2, 3, 4, 5, 6, 7, 8, A, B, C or D, followed by 1 thru 8 or 00, may be followed by up to two numbers or letters, followed by N, may be followed by LD or LE, may be followed by letters and/or numbers.

Magnetically actuated switches, Cat. Nos. D40B-1B3, D40B-1B10, D40B-1D3, D40B-1D10, D40B-A1, D40B-S1B3, D40B-S1B10, D40B-S1D3, D40B-S1D10, D40B-2B3, D40B-2B10, D40B-2D3, D40B-2D10, D40B-A2, D40B-S2B3, D40B-S2B10, D40B-S2D3, D40B-S2D10, D40B-3D5C, D40B-3E5C, D40B-A3, D40B-S3D5C, D40B-S3E5C, D40B-J1, D40B-J2.

Non-Contact Safety Door Switch, Model(+) D40A-1C, followed by 2 or 5.

Non-contact door switch, Actuator only Model D40A-A1.

Non-contact door switch,, Sensor only Model D40A-S1C followed by 2 or 5.

Pendant enable switch, Model A4EG- followed by B or C, followed by 00, E1, E2, M2, P1 or P2, followed by 0, B, R, Y or G, followed by 0, followed by 1, 2 or 4, followed by 0 or 1, may be followed by A, may be followed by letters B through Z, b through z, and/or numbers.

Switches, Type D4NL followed by 1, 2, 3 or 4, followed by A through H, J through N or P, followed by B, D, E, F, G, L or R, followed by A, B, C, D, E, F, G, H, J, K or L, may be followed by A through F, may be followed by 4, may be followed by S, may be followed by Z, may be followed by additional letter(s) and/or number(s).

Type D4NS followed by 1 through 9 or A, B or C, followed by A through F, followed by B, D, E, F, G, H, L or R, may be followed by additional letter(s) and/or number(s).

Type D4N may be followed by A or H, followed by 1 through 9 or A, B or C, followed by 1, 2 or A through G, followed by 20, 21, 21-TK, 22 through 29, 2B, 2C, 2D, 2G, 2H, 2J, 2L, 31, 32, 34, 62, 63, 72, 80, 87, RE, LE, AS, BC or AS1, may be followed by R, may be followed by additional letter(s) and/or number(s).

Type D4N, followed by blank, followed by 9, followed by 1, followed by 20, followed by GP.

Type D4JL, followed by 1, 2, 3 or 4, followed by A through H, J through N or P through R, followed by D or F, followed by A, G or K, followed by C or D, followed by 5, 6 or 7, followed by blank, followed by blank, Y or Z, may be followed by four alphanumeric code, may be followed by 6 digit maximum alphanumeric code.

Terminal relay, Model F3SP-T01.

Thermal overload relays, Cat. Nos. J7TL-D2, -E2, -F2, 7TL-D, -E, -F, -A, -B, -C.

(+) = Additional functional safety investigation was completed to UL 991 and IEC IEC 60947-5-3.



Trademark and/or Tradename:

Last Updated on 2009-10-22

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