



EC Declaration of Conformity

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

Product: Type D4F series
Safety Limit 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 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 : 2002

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



Product Service

CERTIFICATE

No. B 09 10 39656 191

Holder of Certificate: Omron Corporation

Shiokoji Horikawa, Shimogyo-ku
Kyoto
600-8530 JAPAN

Production Facility(ies): 23708

Certification Mark:



Product: Limit Switches
Limit Switch with Direct Opening Action

Model(s): D4F-II III-IV V-VI
(See Certificate Attachment 1 for Nomenclature)

Parameters:

AC:	240 VAC / 0,75 A	50-60 Hz (AC-15)
DC:	250 VDC / 0,27 A	(DC-13)
Protection class:	I	
Protection degree:	IP67	
Pollution degree:	3 (external)	
	2 (internal)	
Overvoltage category:	III	
Conditional short circuit current:	100 A	
Electrical durability:	150000 Cycles	
Mechanical durability:	1000000 Cycles	

Remark:


When installing/inserting the equipment all requirements of the mentioned test standards must be fulfilled.

Tested according to: EN 60947-5-1:2004
Meets the requirements of
GS-ET-15:2005

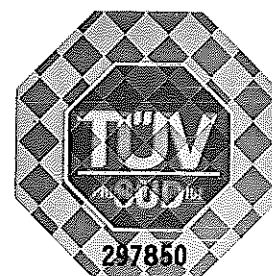
The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 73512467

Date, 2009-10-30


(Shigehisa Ishikawa)

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Certificate Attachment 1
Certificate No.



Product Service

B 09 10 39656 191

TYPE NOMENCLATURE: Nomenclature of Body

D4E - - -

I II III IV V VI

I: Built-in switch

F: Metal body

II: Switch Mechanism

- 1: 1NC / 1NO (Break Before Make)
- 2: 2NC
- 3: 2NC / 2NO (Break Before Make)
- 4: 4NC
- 5: 3NC / 1NO (Break Before Make)

III: Actuator type

- 02: Roller plunger
- 03: Cross roller plunger
- 20: Roller lever (Plastic roller)
- 22: Roller lever (Metal roller)
- 2G: Adjustable roller lever (Form lock)

IV: Lead wire length

- 1: 1 m
- #: Special length

V: Lead wire direction

- R: Right way
- L: Left way
- D: Downward

VI: Customer Code

- Blank: Standard
- ##: Customer code
- #: With or without up to two letters and / or numbers
- ##: With or without up to six letters and / or numbers



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Auxiliary Devices

[See General Information for Auxiliary Devices](#)

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E76675

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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 interloc 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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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:

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