EMCZ044B

OMRON

EC Declaration of Conformity

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

Product: Type D4SL Series Safety Door Lock Switch with Direct Opening Action

No. of Directive	Title of Directive
2006/95/EC Including amendments	Low Voltage Directive (Electrical equipment designed for use within certain voltage limits)
2004/108/EC including amendments	Electromagnetic Compatibility

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

Low Voltage Directive EN60947-5-1/A1:2009

Electromagnetic Compatibility EN60947-5-1/A1:2009

Year of CE marking : 2009

Manufacturer :

Name : Omron Corporation,
Safety Devices Division

Address : Shiokoji Horikawa, Shimogyo-ku, Kyoto, 600- 8580 Japan

Date : May 9, 2012

Signed :

Jim Ashford
Manager

Representative in EU:

Name: Omron Europe B.V.

Address: Zilverenberg 2, 5234 GM' s- 'Hertogenbosch, The Netherlands

Date: 21. 05. , 2012

Signed:

Hugo Sintnicolaas
European Manufacturing and Quality Manager

List of EC Declaration of Conformity

Type: D4SL series

EC DoC No.			EMCZ044
List of Documents No.			EMCZ044-01
Date	EC DoC No. or List of Documents No.	Rev.	Reason of revision
09/8/6	EMCZ044	A	Newly issued
09/8/6	EMCZ044-01	A	Newly issued
12/4/25	EMCZ044	B	Update EN standard
12/4/25	EMCZ044-01	B	Update EN standard

EMCZ045B

OMRON

EC Declaration of Conformity

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

Product: Type D4SL 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/A1: 2007,
Clause 3.4, 4.2.2, 5.5, 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 intend for safety-related application in machinery.

Year of CE marking : 2009

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: D4SL series

EC DoC No.			EMCZ045
List of Documents No.			EMCZ045-01
Date	EC DoC No. or List of Documents No.	Rev.	Reason of revision
09/8/6	EMCZ045	A	Newly issued
09/8/6	EMCZ045-01	A	Newly issued
09/12/11	EM CZ045	B	Update the No. of Directive and additional standard
09/12/11	EM CZ045-01	B	Update the No. of Directive and additional standard

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. B 12 03 39656 243

Holder of Certificate: **Omron Corporation**
Shiokoji Horikawa,Shimogyo-ku
Kyoto
600-8530 JAPAN

Certification Mark:

Product: **Limit Switches**
Safety Door Lock Switch
with Direct Opening Action

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.: 73535844

Date, 2012-03-14 (Shigehisa Ishikawa)

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A1 / 12.09

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE
No. B 12 03 39656 243

Model(s): D4SL-N II III IV V - VI VII VIII - IX
(See Attachment 1 for Nomenclature)

Parameters:

AC:	120VAC / 1,5A 50-60Hz (AC-15)
DC:	125VDC / 0,22A (DC-13)
Conventional free air thermal current:	
	2,5A (between terminals of 11-42,21-52,11-12,21-22)
	1A (between all other terminals)
Insulation voltage:	250V
	(for contacts with Direct Opening Action)
	150V(for all other contacts and circuits)
Protection class:	II
Protection degree:	IP67
pollution degree:	3 (internally 2)
Overvoltage category:	II
Conditional short circuit current:	100A
Mechanical durability:	1 000 000 cycles
Electrical durability:	150 000 cycles

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

Tested according to: EN 60947-5-1/A1:2009
GS-ET-19:2011

Production Facility(ies): 23708

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Certificate Attachment
Certificate No.

B 12 03 39656 243

Product Service

Nomenclature:

D4SL-N II III IV V – VI VII VIII – IX
I

I: Basic type

II: Conduit variation
- 1: Pg 13,5
- 2: G1/2
- 3: 1/2-14NPT
- 4: M20

III: Switch mechanism

A:	1NC/1NO	+	1NC/1NO	
B:	1NC/1NO	+	2NC	
C:	2NC	+	1NC/1NO	
D:	2NC	+	2NC	
E:	2NC/1NO	+	1NC/1NO	
F:	2NC/1NO	+	2NC	
G:	3NC	+	1NC/1NO	
H:	3NC	+	2NC	
J:	1NC/1NO	+	2NC/1NO	
K:	1NC/1NO	+	3NC	
L:	2NC	+	2NC/1NO	
M:	2NC	+	3NC	
N:	2NC/1NO	+	2NC/1NO	
P:	2NC/1NO	+	3NC	
Q:	3NC	+	2NC/1NO	
R:	3NC	+	3NC	
S:	1NC/1NO	+	1NC/1NO	Non-Safety short circuit
T:	1NC/1NO	+	2NC	Non-Safety short circuit
U:	2NC	+	1NC/1NO	Non-Safety short circuit
V:	2NC	+	2NC	Non-Safety short circuit

IV: Head material
- D: Metal
- F: Plastic

V: Door lock / Release mechanism

A:	mechanical lock	/ 24VDC solenoid or auxiliary key release
G:	24VDC solenoid lock	/ mechanical release

VI: Indicator

Blank:	Without LED indicator	
C:	LED indicator 24VDC	(LED color_Green)
D:	LED indicator 24VDC	(LED color_Orange)

VII: Release key
- Blank: Standard
- 4: Special release key

VIII: Cable connection
- Blank: Screw terminal
- N: Connector

IX: Customer code

Blank:	Standard	
#:	Customer code	Maximum 6 digit number(s) and / or letter(s)

Certificate Attachment
Certificate No.

B 12 03 39656 243

Product Service

Nomenclature of Operation Key Unit:

D4SL-NK – II III
I

I: Basic type
II: Operation key mounting
- 1: Horizontal mounting
- 2: Vertical mounting
- 3: Horizontal mounting (Adjustable)
- 4: Vertical mounting (Adjustable)
- 5: Horizontal and vertical mounting (Adjustable)

III: Operation key type
- Blank: Without mounting rubber
- G: With mounting rubber
- S: Without mounting rubber and short shape

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Product Service

CERTIFICATE

No. B 09 06 39656 184

Holder of Certificate: **Omron Corporation**
Shiokoji Horikawa,Shimogyo-ku
Kyoto
600-8530 JAPAN

Production Facility(ies): 23708

Certification Mark:

Product: **Limit Switches**
Safety Door Lock Switch
with Direct Opening Action

Model(s): **D4SL-II III IV V - VI VII VIII - IX**
(See Attachment 1 for Nomenclature)

Parameters:

AC:	120VAC / 1,5A 50-60Hz (AC-15)
DC:	125VDC / 0,22A (DC-13)
Conventional free air thermal current:	
	2,5A (between terminals of 11-42 and 21-52)
	1A (between all other terminals)
Insulation voltage:	250V
	(for contacts with Direct Opening Action)
	150V(for all other contacts and circuits)
Protection class:	II
Protection degree:	IP67
pollution degree:	3 (internally 2)
Overvoltage category:	II
Conditional short circuit current:	100A
Mechanical durability:	1 000 000 cycles
Electrical durability:	150 000 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-19:2004

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.: 73517770
Date, 2009-06-16

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Certificate Attachment 1
Certificate No.

Product Service

B 09 06 39656 184

Nomenclature:

D4SL – II III IV V – VI VII VIII – IX

I: Basic type

II: Conduit variation
- 1: Pg 13,5
- 2: G1/2
- 3: 1/2-14NPT
- 4: M20

III: Switch mechanism

A:	1NC/1NO	+	1NC/1NO
B:	1NC/1NO	+	2NC
C:	2NC	+	1NC/1NO
D:	2NC	+	2NC
E:	2NC/1NO	+	1NC/1NO
F:	2NC/1NO	+	2NC
G:	3NC	+	1NC/1NO
H:	3NC	+	2NC
J:	3NC	+	2NC/1NO
K:	3NC	+	3NC
L:	2NC	+	2NC/1NO
M:	2NC	+	3NC
N:	2NC/1NO	+	2NC/1NO
P:	2NC/1NO	+	3NC
Q:	3NC	+	2NC/1NO
R:	3NC	+	3NC

IV: Head material
- D: Metal

V: Door lock / Release mechanism
- A: mechanical lock / 24VDC solenoid or auxiliary key release
- G: 24VDC solenoid lock / mechanical release

VI: Indicator
- C: LED indicator 24VDC (LED color_Green)
- D: LED indicator 24VDC (LED color_Orange)

VII: Release key
- Blank: Standard
- 4: Special release key

VIII: Cable connection
- Blank: Screw terminal
- N: Connector

IX: Customer code
- Blank: Standard
- #: Customer code Maximum 6 digit number(s) and / or letter(s)

Certificate Attachment 1
Certificate No.

B 09 06 39656 184

Product Service

Nomenclature of Operation Key Unit:

D4SL-K – II III
I

I: Basic type
II: Operation key mounting
- 1: Horizontal mounting
- 2: Vertical mounting
- 3: Horizontal mounting (Adjustable)
- 4: Vertical mounting (Adjustable)
- 5: Horizontal and vertical mounting (Adjustable)

III: Operation key type
- Blank: Without mounting rubber
- G: With mounting rubber
- S: Without mounting rubber and short shape

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ONLINE CERTIFICATIONS DIRECTORY

NKCR2.E76675
Auxiliary Devices - Component

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Auxiliary Devices - Component

See General Information for Auxiliary Devices - Component

OMRON CORP E76675
SAFETY STANDARDS GROUP
IAB GLOBAL QUALITY CENTER
SHIOKOJI HORIKAWA, SHIMOGYO-KU
KYOTO, 600-8530 JAPAN

Investigated to ANSI/UL 508

Accessory current transformers Model(s) K8AC-CT200L

Accessory switch enclosures Model(s) A22Z-B101Y

Contact block units Model(s) A22R-01, A22R-10

Cord connected proximity switches Model(s) D4MC, followed by 100 thru 599, followed by 0, may be followed by 1 thru 99, CR or CR1 thru CR99, RP, RP1 thru RP99, TC, TC1 thru TC99, may be followed by 2 or 3, may be followed by B1 thru B99, may be followed by C, may be followed by additional letter(s).

E2E-X10MY153US, E2E-X10MY253US, E2E-X10Y153US, E2E-X10Y253US, E2E-X18MY153US, E2E-X18MY253US, E2E-X18Y153US, E2E-X18Y253US, E2E-X5MY153US, E2E-X5MY253US, E2E-X5Y153US, E2E-X5Y253US

ZC, followed by D, D1 thru D99 (except D55), N, N1 thru N99 (except N55), Q, Q1 thru Q99 (except Q55), W or W1 thru W99 (except W55), followed by 55, may be followed by 01, may be followed by 1 thru 99, CR or CR1 thru CR99, RP, RP1 thru RP99, TC, TC1 thru TC99, may be followed by additional letter(s).

Door switches Model(s) D4JL, followed by 1, 2, 3 or 4, followed by A thru H, J thru N or P thru R, followed by D or F, followed by A or G, followed by C or D, followed by 5, 6 or 7, followed by N, followed by blank, Y or Z, may be followed by 4 alphanumeric code, may be followed by 6 digit maximum alphanumeric code.

Enable switches Model(s) A4E, followed by B or C, followed by 2, followed by 0 or 1, followed by 0, 1 or 2, followed by H, S or V, followed by A or S.*

Indicator sockets Model(s) M16, may be followed by 0, may be followed by P or S.*

Lamp units Model(s) A22R-T2, A22R-T1, A22R-TN

Limit switches Model(s) D4E, followed by 1 or 3, followed by A, B, C, D, E, F, G, H, J, K or Q, followed by 20, 21, 22 or 25, followed by N, may be followed by MIJ###, where ### is up to a five digit symbol of letter(s) and/or number(s), may be followed by up to six letters and/or numbers.

Pilot lamps Model(s) M16, followed by T, A or J, follwed by a letter, may be followed by 5, 12, 24, 5D, 12D, 24D, T1 or T2, may be followed by P, may be followed by 10 letters and/or numbers.

M22R-EA-12A, M22R-EA-24A, M22R-EA-6A

Pilot Lamps Model(s) M22R-EA-T1

Pilot lamps Model(s) M22R-EA-T2, M22R-EG-12A, M22R-EG-24A, M22R-EG-6A

Pilot Lamps Model(s) M22R-EG-T1

Pilot lamps Model(s) M22R-EG-T2, M22R-ER-12A, M22R-ER-24A, M22R-ER-6A

Pilot Lamps Model(s) M22R-ER-T1

Pilot lamps Model(s) M22R-ER-T2, M22R-EW-12A, M22R-EW-24A, M22R-EW-6A

Pilot Lamps Model(s) M22R-EW-T1

Pilot lamps Model(s) M22R-EW-T2, M22R-EY-12A, M22R-EY-24A, M22R-EY-6A, M22R-EY-T1, M22R-EY-T2

Relay units Model(s) G9SA300SC*, G9SA301SC*, G9SA320SC*, G9SA321SC*

G9SB, may be followed by 2 or 3, followed by 0, followed by 0 or 1, may be followed by 0 or 2, may be followed by RT or RC, may be followed by P, may be followed by A, B, C or D.*

MKS, followed by 1 or 2, followed by blank or X, followed by T, followed by blank or I, followed by blank or N, followed by -10 or -11, may be followed by additional letters and/or numbers for sales purposes, followed by 24 Vac thru 240 Vac or 12 Vdc thru 220 Vdc.

Relays Model(s) G7SB, followed by 5A1B, 4A2B, 3A1B or 2A2B, may be followed by letters and/or numbers, followed by coil rating.

Single phase current monitoring relays Model(s) K8AB, followed by AS, followed by 1, 2 or 3, may be followed by J, followed by 24 Vac/c, 24 Vdc, 24 Vac, 100/115 Vac, 200/230 Vac.*

Single phase monitoring relays Model(s) K8AB, followed by VS, VW, followed by 1, 2 or 3, may be followed by J, may be followed by 24 Vac, 100/115 Vac, 200/230 Vac, 24 Vdc or 24 Vac/dc.

Stop push button switches Model(s) A165E, may be followed by L, follwed by S or M, may be followed by Y or GR, may be followed by 24D, follwed by 01, 02 or 03U, may be followed by S, may be followed by a 10 digit customer code consisted of letters and/or numbers.

Switches Model(s) D4SL, may be followed by N, followed by 1, 2, 3 or 4, followed by A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q or R, followed by F or D, followed by A or G, may be followed by C or D, may be followed by 4, may be followed by N.*

Three phase monitoring relays Model(s) K8AB, followed by PA, PM or PW, followed by 1 or 2, followed by blank, J or TE.

K8AB-PH1, may be followed by A to Z or 0 to 9

K8AB-PH1J, may be followed by A to Z or 0 to 9

K8AB-PH1L, may be followed by A to Z or 0 to 9

* - May be followed by additional letter(s) and/or number(s).

Marking: Company name or trademark OMRON, Sti and model designation.
Last Updated on 2013-01-25

ONLINE CERTIFICATIONS DIRECTORY

NKCR8.E76675
Auxiliary Devices Certified for Canada - Component

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Auxiliary Devices Certified for Canada - Component

See General Information for Auxiliary Devices Certified for Canada - Component

OMRON CORP E76675
SAFETY STANDARDS GROUP
IAB GLOBAL QUALITY CENTER
SHIOKOJI HORIKAWA, SHIMOGYO-KU
KYOTO, 600-8530 JAPAN

Investigated to CAN/CSA-C22.2 No. 14

Accessory current transformers Model(s) K8AC-CT200L

Accessory switch enclosures Model(s) A22Z-B101Y

Contact block units Model(s) A22R-01, A22R-10

Cord connected proximity switches Model(s) D4MC, followed by 100 thru 599, followed by 0, may be followed by 1 thru 99, CR or CR1 thru CR99, RP, RP1 thru RP99, TC, TC1 thru TC99, may be followed by 2 or 3, may be followed by B1 thru B99, may be followed by C, may be followed by additional letter(s).

E2E-X10MY153US, E2E-X10MY253US, E2E-X10Y153US, E2E-X10Y253US, E2E-X18MY153US, E2E-X18MY253US, E2E-X18Y153US, E2E-X18Y253US, E2E-X5MY153US, E2E-X5MY253US, E2E-X5Y153US, E2E-X5Y253US

ZC, followed by D, D1 thru D99 (except D55), N, N1 thru N99 (except N55), Q, Q1 thru Q99 (except Q55), W or W1 thru W99 (except W55), followed by 55, may be followed by 01, may be followed by 1 thru 99, CR or CR1 thru CR99, RP, RP1 thru RP99, TC, TC1 thru TC99, may be followed by additional letter(s).

Door switches Model(s) D4JL, followed by 1, 2, 3 or 4, followed by A thru H, J thru N or P thru R, followed by D or F, followed by A or G, followed by C or D, followed by 5, 6 or 7, followed by N, followed by blank, Y or Z, may be followed by 4 alphanumeric code, may be followed by 6 digit maximum alphanumeric code.

Enable switches Model(s) A4E, followed by B or C, followed by 2, followed by 0 or 1, followed by 0, 1 or 2, followed by H, S or V, followed by A or S.*

Indicator sockets Model(s) M16, may be followed by 0, may be followed by P or S.*

Lamp units Model(s) A22R-T2, A22R-T1, A22R-TN

Limit switches Model(s) D4E, followed by 1 or 3, followed by A, B, C, D, E, F, G, H, J, K or Q, followed by 20, 21, 22 or 25, followed by N, may be followed by MIJ###, where ### is up to a five digit symbol of letter(s) and/or number(s), may be followed by up to six letters and/or numbers.

Pilot lamps Model(s) M16, followed by T, A or J, follwed by a letter, may be followed by 5, 12, 24, 5D, 12D, 24D, T1 or T2, may be followed by P, may be followed by 10 letters and/or numbers.

M22R-EA-12A, M22R-EA-24A, M22R-EA-6A

Pilot Lamps Model(s) M22R-EA-T1

Pilot lamps Model(s) M22R-EA-T2, M22R-EG-12A, M22R-EG-24A, M22R-EG-6A

Pilot Lamps Model(s) M22R-EG-T1

Pilot lamps Model(s) M22R-EG-T2, M22R-ER-12A, M22R-ER-24A, M22R-ER-6A

Pilot Lamps Model(s) M22R-ER-T1

Pilot lamps Model(s) M22R-ER-T2, M22R-EW-12A, M22R-EW-24A, M22R-EW-6A

Pilot Lamps Model(s) M22R-EW-T1

Pilot lamps Model(s) M22R-EW-T2, M22R-EY-12A, M22R-EY-24A, M22R-EY-6A, M22R-EY-T1, M22R-EY-T2

Relay units Model(s) MKS, followed by 1 or 2, followed by blank or X, followed by T, followed by blank or I, followed by blank or N, followed by -10 or -11, may be followed by additional letters and/or numbers for sales purposes, followed by 24 Vac thru 240 Vac or 12 Vdc thru 220 Vdc.

Relays Model(s) G7SB, followed by 5A1B, 4A2B, 3A1B or 2A2B, may be followed by letters and/or numbers, followed by coil rating.

Single phase current monitoring relays Model(s) K8AB, followed by AS, followed by 1, 2 or 3, may be followed by J, followed by 24 Vac/c, 24 Vdc, 24 Vac, 100/115 Vac, 200/230 Vac.*

Single phase monitoring relays Model(s) K8AB, followed by VS, VW, followed by 1, 2 or 3, may be followed by J, may be followed by 24 Vac, 100/115 Vac, 200/230 Vac, 24 Vdc or 24 Vac/dc.

Stop push button switches Model(s) A165E, may be followed by L, follwed by S or M, may be followed by Y or GR, may be followed by 24D, follwed by 01, 02 or 03U, may be followed by S, may be followed by a 10 digit customer code consisted of letters and/or numbers.

Switches Model(s) D4SL, may be followed by N, followed by 1, 2, 3 or 4, followed by A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q or R, followed by F or D, followed by A or G, may be followed by C or D, may be followed by 4, may be followed by N.*

Three phase monitoring relays Model(s) K8AB, followed by PA, PM or PW, followed by 1 or 2, followed by blank, J or TE.

K8AB-PH1, may be followed by A to Z or 0 to 9

K8AB-PH1J, may be followed by A to Z or 0 to 9

K8AB-PH1L, may be followed by A to Z or 0 to 9

* - May be followed by additional letter(s) and/or number(s).

Marking: Company name or trademark  , , model designation and Recognized Component Mark for Canada,  .

Last Updated on 2013-01-25

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OMRON ELECTRONICS DE MEXICO • HEAD OFFICE
México DF • 52.55.59.01.43.00 • 01-800-226-6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE
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OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE
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