



Product Service

CERTIFICATE

No. B 013332 0224 Rev. 01

Holder of Certificate: IDEC CORPORATION
2-6-64 Nishimiyahara, Yodogawa-Ku
Osaka
532-0004 JAPAN

Certification Mark:



Product: Switches
Safety Door Interlock Switch

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. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 73587309

Valid until: 2028-02-26

Date, 2023-02-27

(Shigehisa Ishikawa)

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Model(s): **HS1L series**

Nomenclature:

HS1L - DQ 4 4 K L M S R P - G R - xxxx
 I II III IV V VI VII VIII IX X XI XII XIII

I. Type HS1L Series:

HS1L: Without key interlock

II. Contact configuration:

Contact Configuration	Door closing & Locking ⊕	Door Closing ⊕	Door Opening	Locking ⊖	Unlocking
Q	1	1	1	1	1
R	1	1	1	2	0
S	1	2	0	1	1
T	1	2	0	2	0
VQ	0	2	1	2	1
VR	0	2	1	3	0
VS	0	3	0	2	1
VT	0	3	0	3	0
DQ	2	0	1	0	1
DR	2	0	1	1	0
DS	2	1	0	0	1
DT	2	1	0	1	0
TT	3	0	0	0	0

All contacts have direct opening action mechanism (⊕) independently.

III. Operational Voltage for Solenoid (may be followed):

4: Spring lock / 24 Vdc solenoid release
 7Y: 24 Vdc solenoid lock / Spring release

IV. Rated Voltage for Indicator Light (may be followed):

0: Without pilot light
 4: 24 Vdc

V. With / Without key operator (may be followed):

Blank: Without key operator
 K: With key operator

VI. With/without lock-release lever (on the reserve side of body) (may be followed):

Blank: Without lever
 L: With lever
 D: With disk

VII. Actuator's shaky when locked (may be followed):

Blank: Normal
 M: Small

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VIII. Locking Strength (may be followed):

Blank: Normal

S: Strong Tensile Strength Type Actuator (when locked)

IX. Enclosure Color (may be followed):

R: Black with red cover

B: Black

X. Conduit Type (may be followed):

Blank: Screw terminal/threaded as per G 1/2 under JIS B0202

P: Screw terminal/threaded as per PG13.5 under DIN40430

M: Screw terminal/threaded as per M20 under JIS B0207

C: Connector/threaded as per G 1/2 under JIS B0202

PC: Connector/threaded as per PG13.5 under DIN40430

MC: Connector/threaded as per M20 under JIS B0207

XI. Lens color of pilot light for multipurpose (may be followed):

Blank: Without pilot light for multipurpose and for solenoid

F: Without pilot light for multipurpose only

R: Red

G: Green

A: Amber

Y: Yellow

XII. Lens color of pilot light for solenoid (may be followed):

Blank: Without pilot light for solenoid

R: Red

G: Green

A: Amber

Y: Yellow

XIII. Additional letters and/or numbers (may be followed):

X: Manufacturer control No.

Parameters:

Rated insulation voltage: 300V or 250V (Connector type)

Class of protection: II

Degree of protection: IP67

Utilization category: AC-15 (250V, 3A) or (Connector type: 250V, 2.5A)
DC-13 (30V, 4A) or (Connector type: 30V, 2.5A)

Electrical durability: 100.000 operations
(900 operations/h)

Indicator light: 24V DC

Rated voltage of solenoid: 24V DC

Remark:

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

Tested according to: EN 60947-5-1:2017
GS-ET-19:2019