



Product Service

CERTIFICATE

No. B 013332 0233 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.: 73587308

Valid until: 2029-01-08

Date, 2024-01-09

(Shigehisa Ishikawa)

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Model(s): HS1E and HS1E-K series

Nomenclature

HS1E-K 8 4 0 K L M S R P - R - T001 - xxx
 1 2 3 4 5 6 7 8 9 10 11 12 13

- Basic Designation
 HS1E – HS1E Series, Without Key Interlock
 HS1E-K – HS1E-K Series, With Key Interlock

2. Contact Configuration

	Main Circuit		Auxiliary Circuit			
	Door Closing & Locking (→)	Door Opening & Unlocking	Door Closing (→)	Door Opening	Locking (↓)	Unlocking
Blank	1	1	0	0	0	0
1	1	0	0	1	0	0
2	2	0	0	0	0	0
3	1	0	1	0	0	0
5	1	0	1	1	0	0
6	2	0	0	1	0	0
7	1	0	1	1	1	0
8	2	0	0	0	1	0
9	1	0	1	0	2	0

All contact elements have direct opening action mechanism (→) independently.

- Operational voltage for Solenoid
 4 – Spring lock / 24 V dc solenoid release
 7Y – 24 V dc solenoid lock / Spring release
- Rated voltage for indicator light
 0 - Without pilot light
 4 - 24 V dc
- With / Without key operator
 Blank - without key operator
 K - with key operator
- With / Without Lock-released lever (on the reverse side of body)
 Blank - without lever
 L - With lever
- Actuator's shaky when locked
 Blank - Normal
 M – Small
- Locking Strength
 Blank - Normal
 S – Strong
- Enclosure Color
 R – Black with Red Cover
 B- Black



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10. Conduit Screw
Blank – Threaded as per G1/2 under JIS B0202,
P – Threaded as per PG 13.5 under DIN 40430
11. Lens Color of Pilot Light
Blank – Without indicator light
R – Red
G – Green
12. Interlock Key number
Blank – Not Interlock key type
T001 to T999 – Interlock key type
13. (Optional) Additional letter(s) and/or number(s) (may be including hyphen(s))
xxx - Manufacturer Control Number

Parameters:

AC:	AC-15 (250 V, 3 A or 0.5 A / 240 V, 0.75 A)
DC:	DC-13 (125 V, 0.9 A or 0.22 A / 30 V, 2.3 A)
Optional auxiliary circuit:	AC-12 (125 V, 0.1 A), DC-12 (30 V, 0.1 A)
Rated voltage of indicator light:	24 V DC
Rated voltage of solenoid:	24 V DC
Rated Insulation voltage (Ui):	300 V
Class of Protection:	II
Degree of protection:	IP67
Pollution degree:	3 (inside: 2)
Overvoltage category:	III
Conditional short circuit current:	50 A
Electrical durability:	100 000 operation (900 cycles /hour)
Ambient Temperature Range:	-25 to 40 °C
Max. Altitude:	2000 m

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