

Discontinuation Notice of D4SL series

Product Discontinuation

Guard Lock Safety-Door Switch

Recommended Replacement

Guard Lock Safety-Door Switch



Model D4SL series



Model D4SL-N series

[Discontinuation date]

The end of March, 2013

[Caution on recommended replacement]

For all models, Dimensions (Height and Position of release-key) and part of Characteristics are different. Only for 5-contact types (D4SL-□J□□-□, D4SL-□K□□-□, D4SL-□L□□-□, D4SL-□M□□-□), Contact configuration is different.

[Difference from discontinued product]

| Recommended replacement Model | Body Color | Dimensions | Wire connection | Mounting Dimensions | Characteristics | Operation ratings | Operation methods |
|-------------------------------|------------|------------|-----------------|---------------------|-----------------|-------------------|-------------------|
| D4SL-N (5-contact types) | ** | * | -- | ** | * | ** | ** |
| D4SL-N (6-contact types) | ** | * | ** | ** | * | ** | ** |

** : Fully compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

5-contact types

| Product discontinuation | Recommended replacement |
|-------------------------|-------------------------|
| D4SL-2JDG-D | D4SL-N2EFG-D |
| D4SL-2KDG-D | D4SL-N2FFG-D |
| D4SL-2LDG-D | D4SL-N2GFG-D |
| D4SL-2MDG-D | D4SL-N2HFG-D |
| D4SL-2JDG-DN | D4SL-N2EFG-DN |
| D4SL-2KDG-DN | D4SL-N2FFG-DN |
| D4SL-2LDG-DN | D4SL-N2GFG-DN |
| D4SL-2MDG-DN | D4SL-N2HFG-DN |
| D4SL-2JDG-D4 | D4SL-N2EFG-D4 |
| D4SL-2KDG-D4 | D4SL-N2FFG-D4 |
| D4SL-2LDG-D4 | D4SL-N2GFG-D4 |
| D4SL-2MDG-D4 | D4SL-N2HFG-D4 |
| D4SL-2JDG-D4N | D4SL-N2EFG-D4N |

| Product discontinuation | Recommended replacement |
|-------------------------|-------------------------|
| D4SL-2KDG-D4N | D4SL-N2FFG-D4N |
| D4SL-2LDG-D4N | D4SL-N2GFG-D4N |
| D4SL-2MDG-D4N | D4SL-N2HFG-D4N |
| D4SL-3JDG-D | D4SL-N3EFG-D |
| D4SL-3KDG-D | D4SL-N3FFG-D |
| D4SL-3LDG-D | D4SL-N3GFG-D |
| D4SL-3MDG-D | D4SL-N3HFG-D |
| D4SL-3JDG-DN | D4SL-N3EFG-DN |
| D4SL-3KDG-DN | D4SL-N3FFG-DN |
| D4SL-3LDG-DN | D4SL-N3GFG-DN |
| D4SL-3MDG-DN | D4SL-N3HFG-DN |
| D4SL-3JDG-D4 | D4SL-N3EFG-D4 |
| D4SL-3KDG-D4 | D4SL-N3FFG-D4 |
| D4SL-3LDG-D4 | D4SL-N3GFG-D4 |
| D4SL-3MDG-D4 | D4SL-N3HFG-D4 |
| D4SL-3JDG-D4N | D4SL-N3EFG-D4N |
| D4SL-3KDG-D4N | D4SL-N3FFG-D4N |
| D4SL-3LDG-D4N | D4SL-N3GFG-D4N |
| D4SL-3MDG-D4N | D4SL-N3HFG-D4N |
| D4SL-4JDG-D | D4SL-N4EFG-D |
| D4SL-4KDG-D | D4SL-N4FFG-D |
| D4SL-4LDG-D | D4SL-N4GFG-D |
| D4SL-4MDG-D | D4SL-N4HFG-D |
| D4SL-4JDG-DN | D4SL-N4EFG-DN |
| D4SL-4KDG-DN | D4SL-N4FFG-DN |
| D4SL-4LDG-DN | D4SL-N4GFG-DN |
| D4SL-4MDG-DN | D4SL-N4HFG-DN |
| D4SL-4JDG-D4 | D4SL-N4EFG-D4 |
| D4SL-4KDG-D4 | D4SL-N4FFG-D4 |
| D4SL-4LDG-D4 | D4SL-N4GFG-D4 |
| D4SL-4MDG-D4 | D4SL-N4HFG-D4 |
| D4SL-4JDG-D4N | D4SL-N4EFG-D4N |
| D4SL-4KDG-D4N | D4SL-N4FFG-D4N |
| D4SL-4LDG-D4N | D4SL-N4GFG-D4N |
| D4SL-4MDG-D4N | D4SL-N4HFG-D4N |

6-contact types

| Product discontinuation | Recommended replacement |
|-------------------------|-------------------------|
| D4SL-2NDA-D | D4SL-N2NFA-D |
| D4SL-2PDA-D | D4SL-N2PFA-D |
| D4SL-2QDA-D | D4SL-N2QFA-D |
| D4SL-2RDA-D | D4SL-N2RFA-D |
| D4SL-2NDA-DN | D4SL-N2NFA-DN |
| D4SL-2PDA-DN | D4SL-N2PFA-DN |
| D4SL-2QDA-DN | D4SL-N2QFA-DN |
| D4SL-2RDA-DN | D4SL-N2RFA-DN |
| D4SL-2NDA-D4 | D4SL-N2NFA-D4 |
| D4SL-2PDA-D4 | D4SL-N2PFA-D4 |
| D4SL-2QDA-D4 | D4SL-N2QFA-D4 |
| D4SL-2RDA-D4 | D4SL-N2RFA-D4 |
| D4SL-2NDA-D4N | D4SL-N2NFA-D4N |
| D4SL-2PDA-D4N | D4SL-N2PFA-D4N |
| D4SL-2QDA-D4N | D4SL-N2QFA-D4N |
| D4SL-2RDA-D4N | D4SL-N2RFA-D4N |
| D4SL-3NDA-D | D4SL-N3NFA-D |
| D4SL-3PDA-D | D4SL-N3PFA-D |
| D4SL-3QDA-D | D4SL-N3QFA-D |
| D4SL-3RDA-D | D4SL-N3RFA-D |

| Product discontinuation | Recommended replacement |
|-------------------------|-------------------------|
| D4SL-3NDA-DN | D4SL-N3NFA-DN |
| D4SL-3PDA-DN | D4SL-N3PFA-DN |
| D4SL-3QDA-DN | D4SL-N3QFA-DN |
| D4SL-3RDA-DN | D4SL-N3RFA-DN |
| D4SL-3NDA-D4 | D4SL-N3NFA-D4 |
| D4SL-3PDA-D4 | D4SL-N3PFA-D4 |
| D4SL-3QDA-D4 | D4SL-N3QFA-D4 |
| D4SL-3RDA-D4 | D4SL-N3RFA-D4 |
| D4SL-3NDA-D4N | D4SL-N3NFA-D4N |
| D4SL-3PDA-D4N | D4SL-N3PFA-D4N |
| D4SL-3QDA-D4N | D4SL-N3QFA-D4N |
| D4SL-3RDA-D4N | D4SL-N3RFA-D4N |
| D4SL-4NDA-D | D4SL-N4NFA-D |
| D4SL-4PDA-D | D4SL-N4PFA-D |
| D4SL-4QDA-D | D4SL-N4QFA-D |
| D4SL-4RDA-D | D4SL-N4RFA-D |
| D4SL-4NDA-DN | D4SL-N4NFA-DN |
| D4SL-4PDA-DN | D4SL-N4PFA-DN |
| D4SL-4QDA-DN | D4SL-N4QFA-DN |
| D4SL-4RDA-DN | D4SL-N4RFA-DN |
| D4SL-4NDA-D4 | D4SL-N4NFA-D4 |
| D4SL-4PDA-D4 | D4SL-N4PFA-D4 |
| D4SL-4QDA-D4 | D4SL-N4QFA-D4 |
| D4SL-4RDA-D4 | D4SL-N4RFA-D4 |
| D4SL-4NDA-D4N | D4SL-N4NFA-D4N |
| D4SL-4PDA-D4N | D4SL-N4PFA-D4N |
| D4SL-4QDA-D4N | D4SL-N4QFA-D4N |
| D4SL-4RDA-D4N | D4SL-N4RFA-D4N |
| D4SL-2NDG-D | D4SL-N2NFG-D |
| D4SL-2PDG-D | D4SL-N2PFG-D |
| D4SL-2QDG-D | D4SL-N2QFG-D |
| D4SL-2RDG-D | D4SL-N2RFG-D |
| D4SL-2NDG-DN | D4SL-N2NFG-DN |
| D4SL-2PDG-DN | D4SL-N2PFG-DN |
| D4SL-2QDG-DN | D4SL-N2QFG-DN |
| D4SL-2RDG-DN | D4SL-N2RFG-DN |
| D4SL-2NDG-D4 | D4SL-N2NFG-D4 |
| D4SL-2PDG-D4 | D4SL-N2PFG-D4 |
| D4SL-2QDG-D4 | D4SL-N2QFG-D4 |
| D4SL-2RDG-D4 | D4SL-N2RFG-D4 |
| D4SL-2NDG-D4N | D4SL-N2NFG-D4N |
| D4SL-2PDG-D4N | D4SL-N2PFG-D4N |
| D4SL-2QDG-D4N | D4SL-N2QFG-D4N |
| D4SL-2RDG-D4N | D4SL-N2RFG-D4N |
| D4SL-3NDG-D | D4SL-N3NFG-D |
| D4SL-3PDG-D | D4SL-N3PFG-D |
| D4SL-3QDG-D | D4SL-N3QFG-D |
| D4SL-3RDG-D | D4SL-N3RFG-D |
| D4SL-3NDG-DN | D4SL-N3NFG-DN |
| D4SL-3PDG-DN | D4SL-N3PFG-DN |
| D4SL-3QDG-DN | D4SL-N3QFG-DN |
| D4SL-3RDG-DN | D4SL-N3RFG-DN |
| D4SL-3NDG-D4 | D4SL-N3NFG-D4 |
| D4SL-3PDG-D4 | D4SL-N3PFG-D4 |
| D4SL-3QDG-D4 | D4SL-N3QFG-D4 |
| D4SL-3RDG-D4 | D4SL-N3RFG-D4 |
| D4SL-3NDG-D4N | D4SL-N3NFG-D4N |
| D4SL-3PDG-D4N | D4SL-N3PFG-D4N |
| D4SL-3QDG-D4N | D4SL-N3QFG-D4N |

| Product discontinuation | Recommended replacement |
|-------------------------|-------------------------|
| D4SL-3RDG-D4N | D4SL-N3RFG-D4N |
| D4SL-4NDG-D | D4SL-N4NFG-D |
| D4SL-4PDG-D | D4SL-N4PFG-D |
| D4SL-4QDG-D | D4SL-N4QFG-D |
| D4SL-4RDG-D | D4SL-N4RFG-D |
| D4SL-4NDG-DN | D4SL-N4NFG-DN |
| D4SL-4PDG-DN | D4SL-N4PFG-DN |
| D4SL-4QDG-DN | D4SL-N4QFG-DN |
| D4SL-4RDG-DN | D4SL-N4RFG-DN |
| D4SL-4NDG-D4 | D4SL-N4NFG-D4 |
| D4SL-4PDG-D4 | D4SL-N4PFG-D4 |
| D4SL-4QDG-D4 | D4SL-N4QFG-D4 |
| D4SL-4RDG-D4 | D4SL-N4RFG-D4 |
| D4SL-4NDG-D4N | D4SL-N4NFG-D4N |
| D4SL-4PDG-D4N | D4SL-N4PFG-D4N |
| D4SL-4QDG-D4N | D4SL-N4QFG-D4N |
| D4SL-4RDG-D4N | D4SL-N4RFG-D4N |
| D4SL-2NDA-D-SJ | D4SL-N2NFA-D |
| D4SL-2PDA-D-SJ | D4SL-N2PFA-D |
| D4SL-2QDA-D-SJ | D4SL-N2QFA-D |
| D4SL-2RDA-D-SJ | D4SL-N2RFA-D |
| D4SL-2NDA-DN-SJ | D4SL-N2NFA-DN |
| D4SL-2PDA-DN-SJ | D4SL-N2PFA-DN |
| D4SL-2QDA-DN-SJ | D4SL-N2QFA-DN |
| D4SL-2RDA-DN-SJ | D4SL-N2RFA-DN |
| D4SL-4NDA-D-SJ | D4SL-N4NFA-D |
| D4SL-4PDA-D-SJ | D4SL-N4PFA-D |
| D4SL-4QDA-D-SJ | D4SL-N4QFA-D |
| D4SL-4RDA-D-SJ | D4SL-N4RFA-D |
| D4SL-4NDA-DN-SJ | D4SL-N4NFA-DN |
| D4SL-4PDA-DN-SJ | D4SL-N4PFA-DN |
| D4SL-4QDA-DN-SJ | D4SL-N4QFA-DN |
| D4SL-4RDA-DN-SJ | D4SL-N4RFA-DN |
| D4SL-2NDG-D-SJ | D4SL-N2NFG-D |
| D4SL-2PDG-D-SJ | D4SL-N2PFG-D |
| D4SL-2QDG-D-SJ | D4SL-N2QFG-D |
| D4SL-2RDG-D-SJ | D4SL-N2RFG-D |
| D4SL-2NDG-DN-SJ | D4SL-N2NFG-DN |
| D4SL-2PDG-DN-SJ | D4SL-N2PFG-DN |
| D4SL-2QDG-DN-SJ | D4SL-N2QFG-DN |
| D4SL-2RDG-DN-SJ | D4SL-N2RFG-DN |
| D4SL-4NDG-D-SJ | D4SL-N4NFG-D |
| D4SL-4PDG-D-SJ | D4SL-N4PFG-D |
| D4SL-4QDG-D-SJ | D4SL-N4QFG-D |
| D4SL-4RDG-D-SJ | D4SL-N4RFG-D |
| D4SL-4NDG-DN-SJ | D4SL-N4NFG-DN |
| D4SL-4PDG-DN-SJ | D4SL-N4PFG-DN |
| D4SL-4QDG-DN-SJ | D4SL-N4QFG-DN |
| D4SL-4RDG-DN-SJ | D4SL-N4RFG-DN |

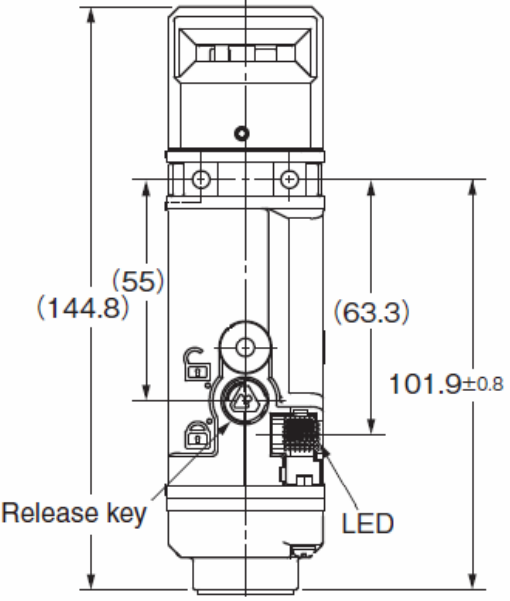
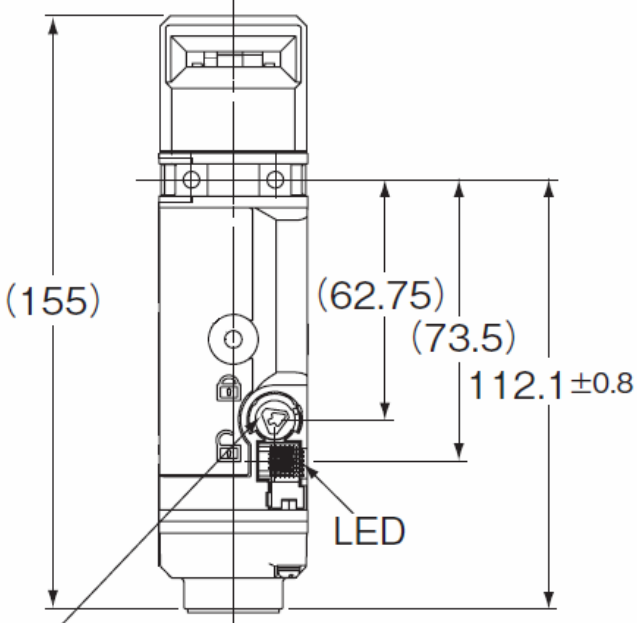
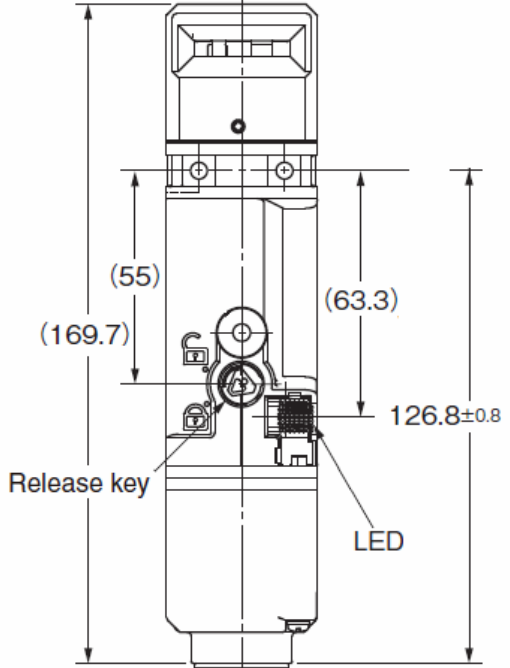
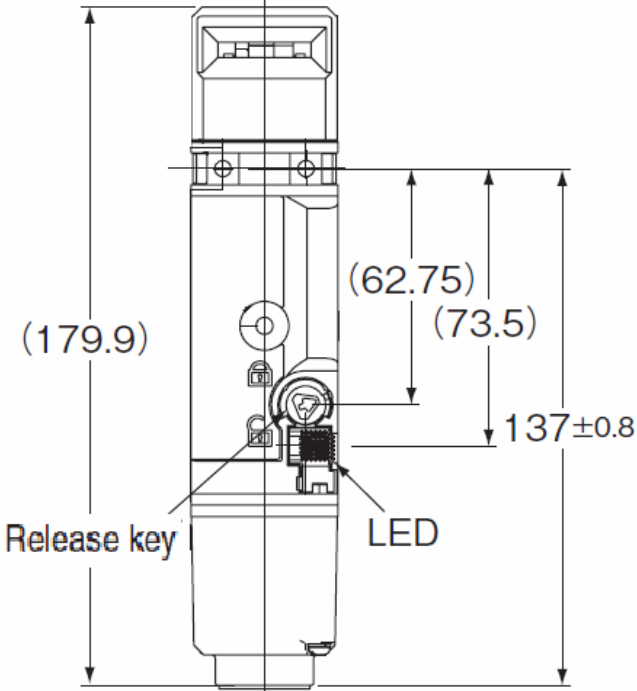
Actuators

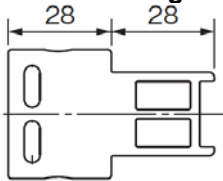
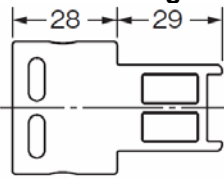
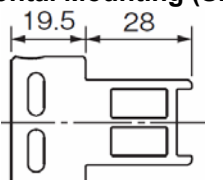
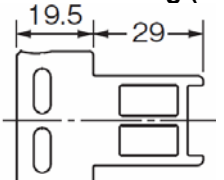
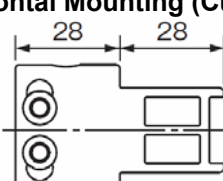
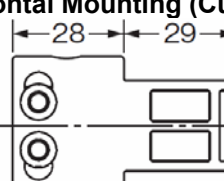
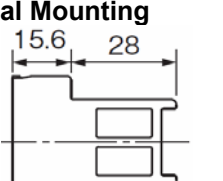
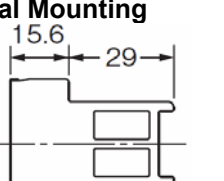
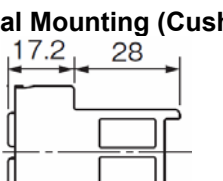
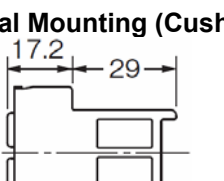
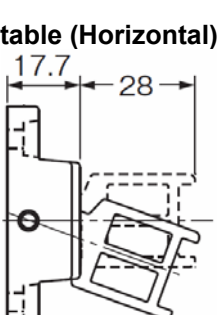
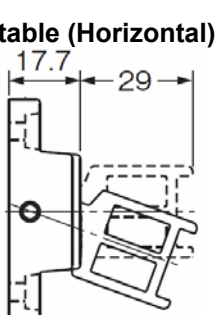
| Product discontinuation | Recommended replacement |
|-------------------------|-------------------------|
| D4SL-K1 | D4SL-NK1 |
| D4SL-K1S | D4SL-NK1S |
| D4SL-K1G | D4SL-NK1G |
| D4SL-K2 | D4SL-NK2 |
| D4SL-K2G | D4SL-NK2G |
| D4SL-K3 | D4SL-NK3 |

[Wire connection]


| Product discontinuation Model D4SL (5-contact types) | | Recommendable replacement Model D4SL-N (5-contact types) | |
|---------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------|-----------------------------------|
| Contact form (Contact configuration) and Operating pattern | | Contact form (Contact configuration) and Operating pattern | |
| Contact Form | | Contact Form | |
| Lock monitor | Door open/ closed detection | Lock monitor | Door open/ closed detection |
| Operating pattern | | Operating pattern | |
| | | | |
| | | | |
| | | | |
| | | | |

[Dimensions]

| <p>Product discontinuation Model D4SL (Switches)</p> | <p>Recommendable replacement Model D4SL-N (Switches)</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Connector Types</p>  <p>Technical drawing of Model D4SL (Switches) Connector Types. Dimensions shown: (144.8) for total height, (55) for height to terminal block, (63.3) for height to LED, and 101.9±0.8 for height to bottom. Labels include Release key and LED.</p> | <p>Connector Types</p>  <p>Technical drawing of Model D4SL-N (Switches) Connector Types. Dimensions shown: (155) for total height, (62.75) for height to terminal block, (73.5) for height to LED, and 112.1±0.8 for height to bottom. Labels include Release key and LED.</p> |
| <p>Terminal Types</p>  <p>Technical drawing of Model D4SL (Switches) Terminal Types. Dimensions shown: (169.7) for total height, (55) for height to terminal block, (63.3) for height to LED, and 126.8±0.8 for height to bottom. Labels include Release key and LED.</p> | <p>Terminal Types</p>  <p>Technical drawing of Model D4SL-N (Switches) Terminal Types. Dimensions shown: (179.9) for total height, (62.75) for height to terminal block, (73.5) for height to LED, and 137±0.8 for height to bottom. Labels include Release key and LED.</p> |

| <p align="center">Product discontinuation Model D4SL-K□ (Actuators)</p> | <p align="center">Recommendable replacement Model D4SL-NK□ (Actuators)</p> |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <p>Horizontal Mounting</p>  | <p>Horizontal Mounting</p>  |
| <p>Horizontal Mounting (Short)</p>  | <p>Horizontal Mounting (Short)</p>  |
| <p>Horizontal Mounting (Cushion Rubber)</p>  | <p>Horizontal Mounting (Cushion Rubber)</p>  |
| <p>Vertical Mounting</p>  | <p>Vertical Mounting</p>  |
| <p>Vertical Mounting (Cushion Rubber)</p>  | <p>Vertical Mounting (Cushion Rubber)</p>  |
| <p>Adjustable (Horizontal)</p>  | <p>Adjustable (Horizontal)</p>  |

[Characteristics]

| Item | Product discontinuation Model D4SL | Recommendable replacement Model D4SL-N | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|------------------------------|------|-------|------------------------------|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------|-------|------------------------------|--------------------|-------|------------------------------|------|------|
| TÜV Certified Ratings | <table border="1" data-bbox="432 327 903 539"> <tr> <td data-bbox="432 327 675 394">Item Utilization category</td> <td data-bbox="675 327 786 394">AC-15</td> <td data-bbox="786 327 903 394">DC-13</td> </tr> <tr> <td data-bbox="432 394 675 461">Rated operating current (Ie)</td> <td data-bbox="675 394 786 461">1.5A</td> <td data-bbox="786 394 903 461">0.22A</td> </tr> <tr> <td data-bbox="432 461 675 539">Rated operating voltage (Ue)</td> <td data-bbox="675 461 786 539">120V</td> <td data-bbox="786 461 903 539">125V</td> </tr> </table> | Item Utilization category | AC-15 | DC-13 | Rated operating current (Ie) | 1.5A | 0.22A | Rated operating voltage (Ue) | 120V | 125V | <table border="1" data-bbox="967 293 1437 506"> <tr> <td data-bbox="967 293 1206 360">Item Utilization category</td> <td data-bbox="1206 293 1329 360">AC-15</td> <td data-bbox="1329 293 1437 360">DC-13</td> </tr> <tr> <td data-bbox="967 360 1206 427">Rated operating current (Ie)</td> <td data-bbox="1206 360 1329 427">1.5A *1 1.0A *2</td> <td data-bbox="1329 360 1437 427">0.22A</td> </tr> <tr> <td data-bbox="967 427 1206 506">Rated operating voltage (Ue)</td> <td data-bbox="1206 427 1329 506">120V</td> <td data-bbox="1329 427 1437 506">125V</td> </tr> </table> <p data-bbox="967 506 1241 533">*1. 11-42, 21-52, 21-22</p> <p data-bbox="967 533 1187 560">*2. Other terminals</p> | Item Utilization category | AC-15 | DC-13 | Rated operating current (Ie) | 1.5A *1 1.0A *2 | 0.22A | Rated operating voltage (Ue) | 120V | 125V |
| Item Utilization category | AC-15 | DC-13 | | | | | | | | | | | | | | | | | | |
| Rated operating current (Ie) | 1.5A | 0.22A | | | | | | | | | | | | | | | | | | |
| Rated operating voltage (Ue) | 120V | 125V | | | | | | | | | | | | | | | | | | |
| Item Utilization category | AC-15 | DC-13 | | | | | | | | | | | | | | | | | | |
| Rated operating current (Ie) | 1.5A *1 1.0A *2 | 0.22A | | | | | | | | | | | | | | | | | | |
| Rated operating voltage (Ue) | 120V | 125V | | | | | | | | | | | | | | | | | | |
| Conventional free air thermal current (Ith) | 2.5A | 2.5A (11-42, 21-52, 21-22) 1.0A (Others) | | | | | | | | | | | | | | | | | | |
| Vibration resistance (Malfunction) | 10 to 55Hz 0.75mm single amplitude | 10 to 55Hz 0.35mm single amplitude | | | | | | | | | | | | | | | | | | |
| Shock resistance (Malfunction) | 100m/s ² min. | 80m/s ² min. | | | | | | | | | | | | | | | | | | |
| Solenoid Coil Current Consumption | Power ON: Approx. 34W at 1.4A Constant: Approx. 2.6W (average) at 0.4A (max.) * A starting current is applied to the solenoid for maximum of one second. After this, the internal circuit switches to a constant current. | Power ON: 6-contact type Approx. 6.4W at 0.26A 4-contact/5-contact type Approx. 4.8W at 0.2A * A starting current is applied to the solenoid for Approx. 1o seconds. After this, the internal circuit switches to a constant current. | | | | | | | | | | | | | | | | | | |
| Head Material | Metal | Plastic * Metal Head is also available for 5-contact types and 6-contact types. The models have to be "D4SL-N□□D□-□□□". | | | | | | | | | | | | | | | | | | |
| Release Key Material (Standard type) | Plastic * No material change for the "Special release key type". | Metal (Center part only)  | | | | | | | | | | | | | | | | | | |

As of July, 2012
 In the interest of product improvement, specifications are subject to change without notice.