## Product Discontinuation Notices

## Discontinuation Notice of part of D4BL series

Product Discontinuation
Guard Lock Safety-Door Switch
Part of D4BL series

## Recommended Replacement

Guard Lock Safety-Door Switch

## D4NL series

Discontinuation date : The end of March, 2012

> Caution on recommended replacement

- Appearance and dimensions are different
- Mounting dimensions are different
- Characteristics and operation ratings are different

Difference from discontinued product

| Model | Body <br> Color | Dimen <br> sions | Wire <br> connection | Mounting <br> Dimensions | Charact <br> eristics | Operation <br> ratings | Operation <br> methods |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| D4NL series | -- | -- | -- | - | -- | -- | $*$ |

** : Fully compatible

* : The change is a little/Almost compatible
-- : Not compatible
- : No corresponding specification

Product Discontinuation and recommended replacement

| Product discontinuation | Recommended replacement | Product discontinuation | Recommended replacement |
| :---: | :---: | :---: | :---: |
| D4BL-1CRB | D4NL-1AFA-B | D4BL-3CRB | D4NL-4AFA-B |
| D4BI-1CRB-A | D4NL-1AFA-B | D4BL-3CRB-A | D4NL-4AFA-B |
| D4BL-1DRB | D4NL-1CFA-B | D4BL-3DRB | D4NL-4CFA-B |
| D4BL-1DRB-A | D4NL-1CFA-B | D4BL-3DRB-A | D4NL-4CFA-B |
| D4BL-2CRB | D4NL-2AFA-B | D4BL-3CRG | D4NL-4AFG-B |
| D4BI-2CRB-A | D4NL-2AFA-B | D4BL-3CRG-A | D4NL-4AFG-B |
| D4BL-2DRB | D4NL-2CFA-B | D4BL-3DRG | D4NL-4CFG-B |
| D4BL-2DRB-A | D4NL-2CFA-B | D4BL-3DRG-A | D4NL-4CFG-B |
| D4BL-3CRA | D4NL-4AFA-B | D4BL-4CRB | D4NL-4AFA-B |
| D4BL-3CRA-A | D4NL-4AFA-B | D4BL-4CRB-A | D4NL-4AFA-B |
| D4BL-3DRA | D4NL-4CFA-B | D4BL-4DRB | D4NL-4CFA-B |
| D4BL-3DRA-A | D4NL-4CFA-B | D4BL-4DRB-A | D4NL-4CFA-B |

Body color

| Product discontinuation <br> Model D4BL series | Recommendable replacement <br> Model D4NL series |
| :---: | :---: |
|  |  |
| 19 |  |

Dimension


## Wiring

| Product discontinuation Model D4BL series | Recommendable replacement Model D4NL series |
| :---: | :---: |
| Proper lead wire size <br> AWG20 to AWG14 ( 0.5 to $2.5 \mathrm{~mm}^{2}$ ) <br> Recommended crimp terminal size non | AWG20 to AWG18 ( 0.5 to $0.75 \mathrm{~mm}^{2}$ ) |

## Characteristics

| Product discontinuation Model D4BL series |  |  |  |  |  | Recommendable replacement Model D4NL series |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Electrica 500, (10A |  | lity <br> tions mi load at | $250 \mathrm{VAC}$ |  |  | 500,000 operations min. <br> (3A resistive load at 250 VAC ) |  |  |  |  |  |
| TÜV Certified Ratings |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Without indicator | With indicator |  | Utilization category |  |  | AC-15 |  |  |
| Utilization category |  |  |  |  |  | Rated operating current (le) |  |  | 3A | 0.27A |  |
| Rated operating current (le) |  |  | 3A | 6A |  | Rated operating voltage (Ue) |  |  | 240 V | 250 V |  |
| Rated operating voltage (Ue) |  |  | 250 V | 115 V |  |  |  |  |  |  |  |
| UL/CSA Certified RatingsA300 |  |  |  |  |  | A300 |  |  |  |  |  |
| Rated Voltage | Carry current | Current (A) |  | Volt-amperes (VA) |  | Rated Voltage | Carry current | Current (A) |  | Volt-amperes (VA) |  |
|  |  | Make | Break | Make | Break |  |  | Make | Break | Make ${ }^{\text {Break }}$ |  |
| $\begin{aligned} & \text { 120VAC } \\ & 240 \mathrm{VAC} \end{aligned}$ | 10A | 30 | 6 3 | 7,200 720 |  | 120VAC 240VAC | 10A | $\begin{aligned} & \hline 60 \\ & 30 \end{aligned}$ | 6 3 | 7,200 720 |  |
| Q300 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Rated Voltage | Carry current | Current (A) |  | Volt-amperes (VA) |  |
|  |  |  |  |  |  |  |  | Make | Break | Make | Break |
|  |  |  |  |  |  | $\begin{aligned} & \text { 125VDC } \\ & \text { 250VDC } \end{aligned}$ | 2.5A | $\begin{aligned} & 0.55 \\ & 0.27 \end{aligned}$ | 0.55 0.27 | 69 | 69 |
| Solenoid Coil Characteristics |  |  |  |  |  |  |  |  |  |  |  |
|  |  | D4BL-[][]RA-[] |  | D4BL-[][]RG-[] |  | Rated operating voltage (100\%ED) |  | D4NL-[][]FA-B |  | D4NL-[][]FG-B |  |
| Rated operating voltage (100\%ED) |  | $\begin{aligned} & 24 \mathrm{VDC} \\ & +10 \% /-15 \% \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \hline 24 \mathrm{VDC} \\ & +10 \% /-15 \% \end{aligned}$ |  |  |  | $\begin{aligned} & 24 \mathrm{VDC} \\ & +10 \% /-15 \% \\ & \hline \end{aligned}$ |  | $\begin{aligned} & 24 \mathrm{VDC} \\ & +10 \% /-15 \% \end{aligned}$ |  |
| Current consumption |  | Approx. 300mA |  | Approx. 300mA |  | Current consumption |  | Approx. 200mA |  | Approx. 200mA |  |
| Insulation |  | $\begin{aligned} & \hline \text { Class F } \\ & \text { (130C max) } \end{aligned}$ |  | $\begin{aligned} & \hline \text { Class F } \\ & \text { (130C max) } \end{aligned}$ |  | Insulation |  | $\begin{aligned} & \hline \text { Class F } \\ & \text { (130C max) } \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { Class F } \\ & \text { (130C max) } \end{aligned}$ |  |
| - ${ }^{\text {a }}$ D4BL-[][]RB-[] |  |  |  |  |  |  |  |  |  |  |  |
| Rated operating voltage (100\%ED) |  | $\begin{aligned} & \hline 110 \mathrm{VAC} \\ & +10 \% /-10 \% \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| Current consumption |  | Approx. 98mA |  |  |  |  |  |  |  |  |  |
| Insulation |  | Class F (130C max) |  |  |  |  |  |  |  |  |  |

Operation ratings

| Product discontinuation Model D4BL series | Recommendable replacement Model D4NL series |
| :---: | :---: |
| Key insertion force: 19.61 N max. <br> Key extraction force: 19.61 N max. <br> Movement before being Locked: 15 mm max.  <br> Total travel: 23 mm min. | Key insertion force: 15 N max. <br> Key extraction force: $30 \mathrm{~N} \max$. <br> Pre travel (PT): 9 mm max. <br> Movement before being Locked: 3 mm min.  |

