## Product Overview

With the new generation of technical platform and automated production and testing equipment, the brand new HDC3 motor control and protection products effectively fit the actual customer application needs, becoming products with convenient use and international leading quality. The series include three major categories, namely HDC3 AC contactor, HDR3 thermal overload relay and HDZ3 contactor relay and their accessories.

## Product range

- HDC3 AC contactor: 6-95A, totally 12 current specifications

Accessories: HPCs transparent dust cover, HFD6 top auxiliary contact, HFC6 side auxiliary contact, HFT6 air delayed head and HFR6 mechanical interlock Certification: CB,CE, SEMKO

- HDR3 thermal overload relay: setting current covering 0.1~93A

Accessories: independent mounting base
Certification: CB,CE, SEMKO

- HDZ3 contactor relay: $2 \mathrm{NO}+2 \mathrm{NC}, 3 \mathrm{NO}+1 \mathrm{NC}, 4 \mathrm{NO}+0 \mathrm{NC}, 1 \mathrm{NO}+3 \mathrm{NC}$ and $0 \mathrm{NO}+4 \mathrm{NC}$

Accessories: HPCs transparent dust cover, HFD6 top auxiliary contact and HFT6 air delayed head Certification: CE

## Standards met

- IEC 60947-1 General provisions
- IEC 60947-4-1 Contactors
- IEC 60947-5-1 Relays


## Normal installation and operation conditions

Installation position:
The installation site shall be vertical, with inclination at all directions not exceeding $\pm 22.5^{\circ}$. (HDR3 of no greater than $5^{\circ}$ ); installation Class III;

Pollution class:

## Class 3

Ambient temperature:

- In normal operation, the ambient temperature ranges between $-5^{\circ} \mathrm{C}$ and +40 C with average value in 24 h no more than +35 C ;
- Storage temperature: $-25^{\circ} \mathrm{C} \sim+55^{\circ} \mathrm{C}$, up to $+70^{\circ} \mathrm{C}$ within a short time (24h)


## Altitude:

Altitude at normal installation position does not exceed 2000m.

## Humidity

-The atmospheric relative humidity does not exceed $50 \%$ when the highest ambient temperature is $+40^{\circ} \mathrm{C}$. It is allowed to have a relative higher humidity under lower temperature, e.g. up to $90 \%$ at $+20^{\circ} \mathrm{C}$.

- For occasional dew due to changes of the temperature, preventive measures shall be taken.

Product protection grade:
IP20

## Main Technical Parameters of HDC3

| Contactor model |  |  | HDC3-06 | HDC3-09 | HDC3-12 | HDC3-18 | HDC3-25 | HDC3-32 | HDC3-38 | HDC3-40 | HDC3-50 | HDC3-65 | HDC3-80 | HDC3-95 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Main circuit characteristics |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Number of poles |  | 3 poles |  |  |  |  |  |  |  |  |  |  |  |  |
| Rated insulation voltage(Ui) |  | v | 690 |  |  |  |  |  |  |  |  |  |  |  |
| Rated operational voltage(Ue) |  | v | 660 |  |  |  |  |  |  |  |  |  |  |  |
| Conventional thermal current(lth) |  |  | 16 | 20 | 20 | 25 | 32 | 40 | 40 | 50 | 60 | 80 | 110 | 110 |
| Rated operational current(le) | AC-3,380/400V | A | 6 | 9 | 12 | 18 | 25 | 32 | 38 | 40 | 50 | 65 | 80 | 95 |
|  | AC-3,660/690V | A | 3.8 | 6.6 | 8.9 | 12.0 | 18.0 | 22.0 | 22.0 | 34.0 | 39.0 | 42.0 | 49.0 | 49.0 |
|  | AC-4,380/400V | A | 2.6 | 3.5 | 5.0 | 7.7 | 8.5 | 12.0 | 14.0 | 18.5 | 24.0 | 28.0 | 37.0 | 44.0 |
|  | AC-4,660/690V | A | 1 | 1.5 | 2.0 | 3.8 | 4.4 | 7.5 | 8.9 | 9.0 | 12.0 | 14.0 | 17.3 | 21.3 |
| Rated operating power ( Pe ) | AC-3,380/400V | kW | 2.2 | 4.0 | 5.5 | 7.5 | 11.0 | 15.0 | 18.5 | 18.5 | 22.0 | 30.0 | 37.0 | 45.0 |
|  | AC-3,660/690V | kW | 3 | 5.5 | 7.5 | 10.0 | 15.0 | 18.5 | 18.5 | 30.0 | 33.0 | 37.0 | 45.0 | 45.0 |
|  | AC-4,380/400V | kW | 1.1 | 2.2 | 3.0 | 4.0 | 5.5 | 7.5 | 7.5 | 7.5 | 11.0 | 15.0 | 18.5 | 22.0 |
|  | AC-4,660/690V | kW | 0.75 | 1.1 | 1.5 | 3.7 | 4.0 | 5.5 | 7.5 | 7.5 | 11.0 | 11.0 | 15.0 | 18.5 |
| Mechanical durabilities |  | 10,000 times | 1200 |  |  |  | 1000 |  |  | 900 |  |  | 650 |  |
| Electrical durabilities | AC-3 | 10,000 times | 110 |  |  |  |  | 90 |  |  |  |  | 65 |  |
|  | AC-4 | 10,000 times | 22 |  |  |  |  | 22 |  | 17 |  |  | 11 |  |
| Operation frequency | AC-3 | Time/hour | 1200 |  |  |  |  | 600 |  |  |  |  |  |  |
|  | AC-4 | Time/hour | 300 |  |  |  |  | 300 |  |  |  |  |  |  |
| Coil |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rated control circuit voltage (Us) | 50 Hz | v | 24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440 |  |  |  |  |  |  |  |  |  |  |  |
|  | 50/60Hz | V | 24, 36, 48, 110, 127, 220/230, 240, 380/400, 415, 440 |  |  |  |  |  |  |  |  |  |  |  |
| Allowable control circuit voltage(Us) | Operation | V | 85\% $110 \%$ Us |  |  |  |  |  |  |  |  |  |  |  |
|  | Drop-out | V | 20\% $75 \%$ Us |  |  |  |  |  |  |  |  |  |  |  |
| Coil power | Inrush | VA | 50 | 60 |  |  | 70 |  |  | 200 |  |  | 200 |  |
|  | Sealed | VA | 6~9.5 | 6~9.5 |  |  | 6~9.5 |  |  | 15~20 |  |  | 15~20 |  |
|  | Heat dissipation | W | 1~3 | 1~3 |  |  | 1~3 |  |  | 6~10 |  |  | 6~10 |  |
| Main circuit terminal wiring capability |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Flexible wire Without terminal | 1 wire | $\mathrm{mm}^{2}$ | 1... 4 |  |  |  | $1.5 . . .6$ |  |  | 2.5... 25 |  |  | 4...50 |  |
|  | 2 wire | $\mathrm{mm}^{2}$ | 1...4 |  |  |  | 1.5...6 |  |  | 2.5...16 |  |  | 4... 25 |  |
| Flexible wire With terminal | 1 wire | $\mathrm{mm}^{2}$ | 1...4 |  |  |  | 1...6 |  |  | $\text { 2.5... } 25$ |  |  | $4 . .50$ |  |
|  | 2 wire | $\mathrm{mm}^{2}$ | 1...2.5 |  |  |  | 1... 4 |  |  | 2.5...10 |  |  | 4...16 |  |
| Fixed wire Without terminal | 1 wire | $\mathrm{mm}^{2}$ | 1...4 |  |  | 1.5...6 |  | 1.5... 10 |  | $2.5 \ldots 25$ |  |  | 4... 50 |  |
|  | 2 wire | $\mathrm{mm}^{2}$ | 1...4 |  |  | 1.5...6 |  | 1.5... 6 |  | $\text { 2.5... } 10$ |  |  | $4 . .25$ |  |
| Auxiliary contact |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Conventional thermal current (lth) |  | A | 10 |  |  |  |  |  |  |  |  |  |  |  |
| Rated operational voltage (Ue) | AC | V | 380 |  |  |  |  |  |  |  |  |  |  |  |
|  | DC | V | 220 |  |  |  |  |  |  |  |  |  |  |  |
| Rated control capacity | AC-15 | VA | 360 |  |  |  |  |  |  |  |  |  |  |  |
|  | DC-13 | w |  |  |  |  |  |  | 3 |  |  |  |  |  |
| Certification |  |  | CB, CE, SEMKO |  |  |  |  |  |  |  |  |  |  |  |

## Main Technical Parameters of HDC3-N

| Contactor model | Rated insulation voltage <br> Ui(V) | Rated operational voltage <br> $\mathrm{Ue}(\mathrm{V})$ | Conventional thermal current <br> Ith(A) | Intermittent periodic duty AC-4 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\mathrm{le}(\mathrm{A})$ | $\mathrm{Pe}(\mathrm{kw})$ |
| HDC3-09N | 690 | 380/400 | 20 | 3.5 | 1.5 |
|  |  | 660/690 |  | 1.5 | 1.1 |
| HDC3-12N | 690 | 380/400 | 20 | 5 | 2.2 |
|  |  | 660/690 |  | 2 | 1.5 |
| HDC3-18N | 690 | 380/400 | 25 | 7.7 | 3.3 |
|  |  | 660/690 |  | 3.8 | 3 |
| HDC3-25N | 690 | 380/400 | 32 | 8.5 | 4 |
|  |  | 660/690 |  | 4.4 | 4 |
| HDC3-32N | 690 | 380/400 | 40 | 12 | 5.4 |
|  |  | 660/690 |  | 7.5 | 5.5 |
| HDC3-38N | 690 | 380/400 | 40 | 14 | 5.5 |
|  |  | 660/690 |  | 8.9 | 6 |
| HDC3-40N | 690 | 380/400 | 50 | 18.5 | 7.5 |
|  |  | 660/690 |  | 9 | 7.5 |
| HDC3-50N | 690 | 380/400 | 60 | 24 | 11 |
|  |  | 660/690 |  | 12 | 10 |
| HDC3-65N | 690 | 380/400 | 80 | 28 | 15 |
|  |  | 660/690 |  | 14 | 11 |
| HDC3-80N | 690 | 380/400 | 110 | 37 | 18.5 |
|  |  | 660/690 |  | 17.3 | 15 |
| HDC3-95N | 690 | 380/400 | 110 | 44 | 22 |
|  |  | 660/690 |  | 21.3 | 18.5 |

Wiring diagram

HDC3 6~38


HDC3 40~95


Wiring diagram

Wiring diagram for star-delta starter



## Schematic Diagram of Accessory Installation

HDC3 schematic diagram of accessories


Note: HDC3-06 cannot be equipped with side auxiliary contact and mechanical interlock module

HDC3 AC Contactor

| Product Name | Current Specification | Auxiliary Contact | Coil Voltage | Coil frequency |
| :---: | :---: | :---: | :---: | :---: |
| HDC3 | 06 | 10 | M | 5 |
|  | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ |
|  | $\begin{gathered} \text { 06:6A } \\ \ldots \\ 95: 95 A \end{gathered}$ | $\begin{aligned} & \text { 10:1NO+0NC } \\ & 01: 0 \mathrm{NO}+1 \mathrm{NC} \\ & 11: 1 \mathrm{NO}+1 \mathrm{NC} \end{aligned}$ | $\mathrm{B}: 24 \mathrm{~V}$ $\ldots$ $\mathrm{M}: 220 \mathrm{~V} / 230 \mathrm{~V}$ $\ldots$ $\mathrm{Q}: 380 \mathrm{~V} / 400 \mathrm{~V}$ | $\begin{gathered} 5: 50 \mathrm{~Hz} \\ 7: 50 / 60 \mathrm{~Hz} \end{gathered}$ |
| Motor power Pe(KW AC-3,380V) | Rated current le(A) | Auxiliary contact |  | Reference |
|  |  | NO | NC |  |
| 2.2 | 6 | 1 | 0 | HDC3 0610 * |
|  |  | 0 | 1 | HDC3 0601 * |
| 4 | 9 | 1 | 0 | HDC3 0910 * |
|  |  | 0 | 1 | HDC3 0901 * |
| 5.5 | 12 | 1 | 0 | HDC3 1210 * |
|  |  | 0 | 1 | HDC3 1201 * |
| 7.5 | 18 | 1 | 0 | HDC3 1810 * |
|  |  | 0 | 1 | HDC3 1801 * |
| 11 | 25 | 1 | 0 | HDC3 2510 * |
|  |  | 0 | 1 | HDC3 2501 * |
| 15 | 32 | 1 | 0 | HDC3 3210 * |
|  |  | 0 | 1 | HDC3 3201 * |
| 18.5 | 38 | 1 | 0 | HDC3 3810 * |
|  |  | 0 | 1 | HDC3 3801 * |
| 18.5 | 40 | 1 | 1 | HDC3 4011 * |
| 22 | 50 | 1 | 1 | HDC3 5011 * |
| 30 | 65 | 1 | 1 | HDC3 6511 * |
| 37 | 80 | 1 | 1 | HDC3 8011 * |
| 45 | 95 | 1 | 1 | HDC3 9511 * |

Note: Only 3 poles is available

* means coil voltage code + frequency code

| Coil voltage code |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Coil Voltage(V) | 24 | 36 | 48 | 110 | 127 | $220 / 230$ | 240 | $380 / 400$ | 415 | 440 |
| $*$ | B | C | E | F | S | M | U | Q | L | X |

Overall and installation dimensions

HDC3 06-38A


HDC3-40-95A


## Overall and installation dimensions

Overall Dimension of HDC3 06-95A AC contactor

| Model | Amax | Bmax | B1max | B2max | Cmax | C1max | C2max |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| HDC3-06 | 74.5 | 45.5 | - | - | 75 | 107 | 132 |
| HDC3-09, 12, 18 | 74.5 | 45.5 | 58 | 71 | 82.5 | 114.5 |  |
| HDC3-25, 32,38 | 83 | 56.5 | 69 | 82 | 97 | 129 | 159 |
| HDC3-40,50,65 | 127.5 | 74.5 | 88 | 101 | 117 | 148.5 | 173.5 |
| HDC3-80,95 | 127.5 | 85.5 | 99 | 112 | 125.5 | 157 | 182 |

Note: B1max-contactor+HFC6 B2max--Contactor+2 pieces of HFC6 C1max--Contactor+HFD6 C2max--Contactor+HFT6

Installation dimension of HDC3 06-95A AC Contactor

| Model | a | b | C | d | e | f |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HDC3-06 | 35 | 50/60 | - | - | - | - |
| HDC3-09, 12, 18 | 35 | 50/60 | - | - | - | - |
| HDC3-25, 32, 38 | 40 | 50/60 | - | - | - | - |
| HDC3-40, 50, 65 | - | - | 105 | 40 | 100/110 | 59 |
| HDC3-80,95 | - | - | 105 | 40 | 100/110 | 67 |

HDC3-N reversible AC contactor

| Product Name | Current Specification | Mechanical interlock | Auxiliary Contact | Coil Voltage | Coil frequency |
| :---: | :---: | :---: | :---: | :---: | :---: |
| HDC3 | 09 | N | 10 | M | 5 |
|  | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ | $\downarrow$ |
|  | $\begin{gathered} 09: 9 \mathrm{~A} \\ \ldots \\ 95: 95 \mathrm{~A} \end{gathered}$ | $\mathrm{N}:$ Mechanical interlock | $\begin{aligned} & \text { 10:1NO+ONC } \\ & 01: 0 N O+1 N C \\ & 11: 1 N O+1 N C \end{aligned}$ | $\mathrm{B}: 24 \mathrm{~V}$ $\ldots$ $\mathrm{M}: 220 \mathrm{~V} / 230 \mathrm{~V}$ $\ldots$ $\mathrm{Q}: 380 \mathrm{~V} / 400 \mathrm{~V}$ $\ldots$ | $\begin{gathered} 5: 50 \mathrm{~Hz} \\ 7: 50 / 60 \mathrm{~Hz} \end{gathered}$ |
| Motor powerPe(KW AC-4,380V) |  | Rated current $\mathrm{le}(\mathrm{A})$ | Auxiliary contact |  | Reference |
|  |  | NO | NC |  |
| 1.5 |  |  | 9 | 1 | 0 | HDC3 09N 10 * |
|  |  | 0 |  | 1 | HDC3 09N 01 * |
| 2.2 |  | 12 | 1 | 0 | HDC3 12N 10 * |
|  |  | 0 | 1 | HDC3 12N 01 * |
| 3 |  |  | 18 | 1 | 0 | HDC3 18N 10 * |
|  |  | 0 |  | 1 | HDC3 18N 01 * |
| 4 |  | 25 | 1 | 0 | HDC3 25N 10 * |
|  |  | 0 | 1 | HDC3 25N 01 * |
| 5.5 |  |  | 32 | 1 | 0 | HDC3 32N 10 * |
|  |  | 0 |  | 1 | HDC3 32N 01 * |
| 5.5 |  | 38 | 1 | 0 | HDC3 38N 10 * |
|  |  | 0 | 1 | HDC3 38N 01 * |
| 7.5 |  |  | 40 | 1 | 1 | HDC3 40N 11 * |
| 11 |  | 50 | 1 | 1 | HDC3 50N 11* |
| 15 |  | 65 | 1 | 1 | HDC3 65N 11* |
| 18.5 |  | 80 | 1 | 1 | HDC3 80N 11 * |
| 22 |  | 95 | 1 | 1 | HDC3 95N 11 * |

Note: Only 3 poles is available;

* means coil voltage code + frequency code

| Coil voltage code |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Coil voltage(V) | 24 | 36 | 110 | $220 / 230$ | $380 / 400$ |
| $*$ | B | C | F | M | Q |

Overall and installation dimensions AC contactor

## HDC3-N 09-38A



HDC3-N 40-95A


Overall dimension of HDC3-N 09-95A directional AC contactor

| Model | Fmax | F1max | F2max | c | d | e | f | h |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HDC3-09N, 12N, 18N | 107 | 120 | 131 | 60 | 25 | 60 | 50/60 | 95 |
| HDC3-25N, 32N, 38N | 129 | 142 | 153 | 71 | 31.5 | 71 | 50/60 | 111.5 |
| HDC3-40N, 50N, 65N | 163 | 180 | 193 | - | 50 | 90 | 100/110 | 130 |
| HDC3-80N,95N | 186 | 202 | 215 | - | 60 | 100 | 100/110 | 140 |

## Main technical parameters




Base


## Tripping Characteristic

| No. | Multiples of Setting Current | Tripping Time |  | Initial Condition | Ambient Temperature |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Trip class 10A | Trip class 10 |  |  |
| Tripping Characteristics for Current Balance |  |  |  |  |  |
| 1 | 1.05 | Non-tripping within 2h | Non-tripping within 2h | Without previous load | $+20^{\circ} \mathrm{C}$ |
| 2 | 1.2 | Tripping within 2 h | Tripping within 2 h | After No. 1 Test |  |
| 3 | 1.5 | $<2$ min | $<4$ min | After No. 1 Test |  |
| 4 | 7.2 | $2 \mathrm{~s}<\mathrm{Tp} \leq 10 \mathrm{~s}$ | $4 \mathrm{~s}<\mathrm{Tp} \leq 10 \mathrm{~s}$ | Without previous load | $+20^{\circ} \mathrm{C}$ |
| Tripping Characteristics for Current Imbalance |  |  |  |  |  |
| Any 2-Phase, 3rd Phase |  |  |  |  |  |
| 1 | 1.0 | Non-tripping within 2 h | Non-tripping within 2 h | Without previous load | $+20^{\circ} \mathrm{C}$ |
| 2 | 1.15 | Tripping within 2 h | Tripping within 2 h | After No. 1 Test |  |

Tripping Characteristics
Average value (Environment temperature $\mathbf{2 0}^{\circ} \mathrm{C}$ )


## Installation wiring diagram



FU-Fuse.
KM-Contactor.
FR-Thermal overload relay
SB1-Stop button.
SB2-Start button.

## HDR3 Thermal Overload Relay




Overall dimension drawing of HDR3-25/Z


Overall dimension drawing of HDR3-36/Z


Overall dimension drawing of HDR3-93/Z


## Main technical parameters

| Rated insulation voltage (Ui) | V | 690 |
| :---: | :---: | :---: |
| Conventional thermal current (Ith) | A | 10 |
| Rated operational current (le) | A | AC-15 380V: 0.95 |
|  |  | DC-13 220V: 0.15 |
| Contact combination |  | 2NO+2NC, $3 \mathrm{NO}+1 \mathrm{NC}, 4 \mathrm{NO}+0 \mathrm{NC}, 1 \mathrm{NO}+3 \mathrm{NC}, 0 \mathrm{NO}+4 \mathrm{NC}$ |
| Electrical durabilities | 10,000 times | 110 |
| Mechanical durabilities | 10,000 times | 1100 |
| Operation frequency | times/Hour | 1200 |
| Rated control circuit voltage(Us) | 50 Hz | 24,36,48,110,127,220/230,240,380/400,415,440 |
|  | $50 / 60 \mathrm{~Hz}$ | 24,36,48,110,127,220/230,240,380/400,415,440 |
| Operational voltage range | V | AC 85\%... $110 \%$ Us |
| Drop-out voltage range | V | AC 20\%...75\% Us |
| Production Certification |  | CE |

## Wiring Diagram

| $\begin{array}{lllll}13 & 23 & 33 & 43\end{array}$ | $\begin{array}{llll}13 & 21 & 33 & 43\end{array}$ | $\begin{array}{llll}13 & 21 & 31 & 43\end{array}$ |
| :---: | :---: | :---: |
| A1 NO NO NO NO | A1 NO NC NO NO | A1 NO NC NC NO |
|  |  |  |
| $\begin{array}{lllll} \text { A2 } & \text { NO } & \text { NO } & \text { NO } & \text { NO } \\ 14 & 24 & 34 & 44 \end{array}$ | $\begin{array}{lllll}\text { A2 } & \text { NO } & \text { NC } & \text { NO } & \text { NO } \\ 14 & 22 & 34 & 44\end{array}$ | $\begin{array}{lllll} \text { A2 } & \text { NO } & \text { NC } & \text { NC } & \text { NO } \\ 14 & 22 & 32 & 44 \end{array}$ |
| HDZ3-40 | HDZ3-31 | HDZ3-22 |



Schematic diagram of Accessory installation


Order Information

## HDZ3 Contactor Relay

| Product Name | Contact | Coil Voltage | Coil Frequency |
| :--- | :--- | :--- | :--- |
| HDZ3 | 22 | M | 5 |
|  | $\downarrow$ | $\downarrow$ |  |
|  |  |  |  |
|  | $22: 2 N O+2 N C$ | B: 24 V |  |
|  | $31: 3 N O+1 N C$ | $\ldots$ |  |
|  | $40: 4 N O+0 N C$ | M: $220 \mathrm{~V} / 230 \mathrm{~V}$ | $5: 50 \mathrm{~Hz}$ |
|  | $13: 1 \mathrm{NO}+3 \mathrm{NC}$ | $\ldots$ | $7: 50 / 60 \mathrm{~Hz}$ |
|  | $04: 0 \mathrm{NO}+4 \mathrm{NC}$ | Q: $380 \mathrm{~V} / 400 \mathrm{~V}$ |  |
|  |  | $\ldots$ |  |


| Contact |  | Reference |
| :---: | :---: | :---: |
| NO | 2 |  |
| 2 | 1 | HDZ331* |
| 3 | 0 | HDZ340* |
| 4 | 3 | HDZ313* |
| 1 | 4 | HDZ304* |
| 0 |  |  |


| Coil voltage code |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Coil voltage(V) | 24 | 36 | 48 | 110 | 127 | $220 / 230$ | 240 | $380 / 400$ | 415 | 440 |
|  | B | C | E | F | S | M | U | Q | L | X |

Note: * means coil voltage code

Overall and installation dimensions

HDZ3


