

1 Overview

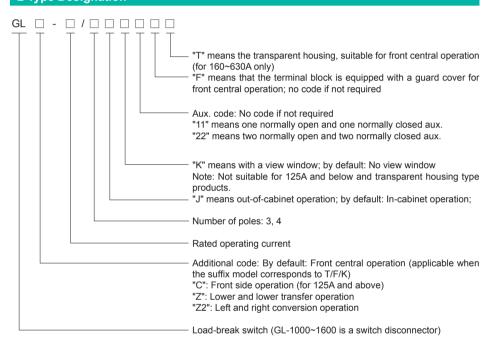
GL/C/Z series load-break switch is used in the AC 50Hz power distribution equipment with the rated voltage up to AC690V and the conventional thermal current up to 3150A in industries and enterprises for infrequent connection and disconnection of circuits and for electrical isolation, and the product is widely used in power distribution systems and automation systems in many industries such as construction, electric power, and petrochemical engineering.

GLZ load-break switch is composed of two GL load-break switches stacked up and down or assembled left and right together, suitable for switching between dual power supplies or for the conversion and safety isolation of two load devices.

This product complies with the GB/T 14048.3 standard.



2 Type Designation



3 Technical Parameters

Table 1

| | Main technical parameters | | | | | | | | | | | | | | | |
|---|---------------------------|-----------------------------|------|---------|------|------|-------------|-------------|-------------|------|-------|------|------|------|--|--|
| Conventional thermal current Ith (A) | 10 | 100 160 250 400 630 1600 31 | | | | | | | | 3150 | | | | | | |
| Rated insulation voltage Ui (A) | | | | 69 | 0 | | | | | | 10 | 00 | | | | |
| Rated operating voltage (V) | | | 38 | 80 | | | | | | 415 | 5/690 | | | | | |
| Rated impulse withstand voltage Uimp (kV) | | | 6 | 6 | | | | | | 12 | | | | | | |
| Rated operating current le (A) | 63 | 100 | 125/ | 125/160 | | /200 | 400 /315 | 630 /425 | 800 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | | |
| Use category | | AC-21B | | | | | | | | AC- | 22B | | | | | |
| Rated short time withstand current Icw (kA/1s) | 2 | 2 | 4 | 1 | į | 5 | 20 | 20 | 30 | 30 | 30 | 50 | 50 | 50 | | |
| Rated short circuit making capacity Icm (kA peak) | ing 2.8 | | 5.8 | 38 | 7. | 65 | 40 | 40 | 63 | 63 | 63 | 105 | 105 | 105 | | |
| Mechanical life (times) | 1700 | 1700 1700 | | 1400 | 1400 | 1400 | 800 | 800 | 500 | 500 | 500 | 500 | 500 | 300 | | |
| Electrical life (times) | 300 | 300 | 200 | 200 | 200 | 200 | 200 | 200 | 100 | 100 | 100 | 100 | 100 | 100 | | |



4 Operating Conditions

- 4.1 The upper limit of ambient air temperature does not exceed +40°C, and the lower limit shall not be below -5°C.
- 4.2 The altitude of the installation site shall not exceed 2000mm.
- 4.3 Humidity: The relative humidity does not exceed 50% at a maximum temperature of +40°C, and a higher relative humidity is allowed at low temperatures, such as up to 90% at 20°C. Special measures should be taken for condensation occurred occasionally due to temperature changes.
- 4.4 The pollution degree of the ambient environment is Level 3.
- 4.5 The switch should be installed vertically in a place where there is no significant shaking, no shock vibration, and no rain or snow attacks, and there is no explosive hazard medium containing gas or dust sufficient to cause metal corrosion and insulation damage at the installation site.

5 Structure Features

The switch adopts a modular design, suitable for the connection and disconnection of circuits and for the electrical isolation, but it is only suitable for electrical isolation if 1000A and above.

The switch adopts an acceleration opening and closing mechanism with spring energy storage and instantaneous release and a dual-break contact structure that is closed and open simultaneously, greatly improving the electrical performance and mechanical performance of the product.

The switch is made of unsaturated polyester glass fiber reinforced molding plastic and its manual operating handle has high dielectric performance, protection capacity and reliable operational safety.

The switch has 3 poles, and 4 poles (3 poles + on/off neutral pole).

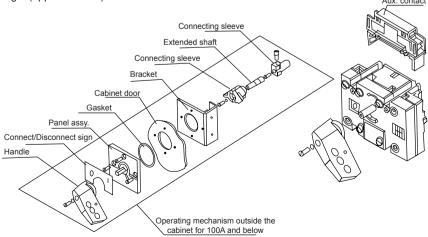
There is a marking window on the front of the switch to indicate the Closed / Open status of the contact, and a rear view window can be provided as needed to directly observe the Closed / Open status of the contact to ensure the reliability and safety of the switch operation.

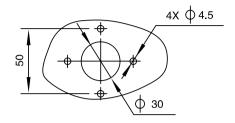
The handle is directly installed on the switch for operation (referred to as in-cabinet operation), and can also be installed on the door of the distribution cabinet through the extended shaft (referred to as out-of-cabinet operation) for convenient operation.

The handle can be locked at the segment position "0" with two to three locks to prevent misoperation.

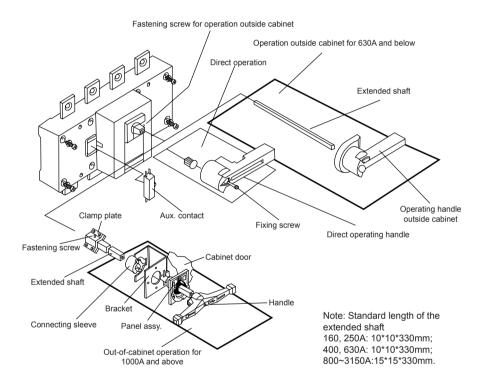
6 Installation Method

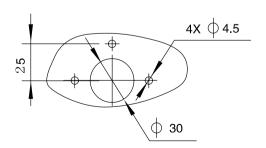
The installation method is illustrated in the figure. A long shaft is required for operation outside the cabinet, and it is required that the handle (shaft) installed on the panel (door) shall be coaxial (aligned) with the long shaft, otherwise the cabinet door is not easily open and closed and difficult to operate, resulting in damage to the operating mechanism. The length of the shaft can be determined according to the sum of the installation distance from the product to the door panel and the length (approx. 30mm) of the shaft inserted into the handle.





GL-100 out-of-cabinet operating handle panel installation dimensions drawing



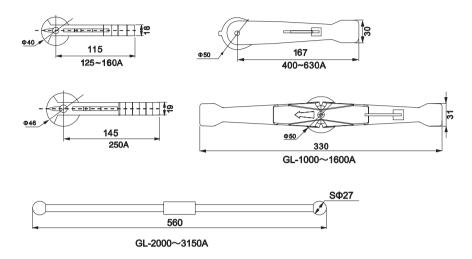


GL/C/Z-1000~315 out-of-cabinet operating handle panel installation dimensions drawing

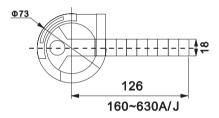
TENGEN

GL/C/Z Series Load-break Switch

In-cabinet handle diagram

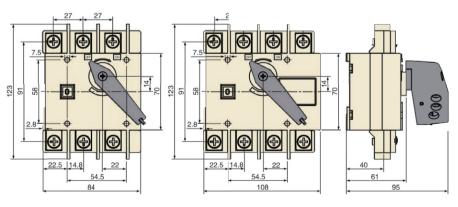


Out-of-cabinet handle diagram



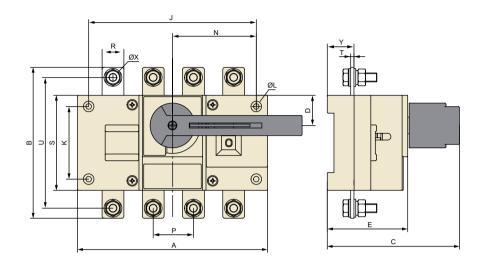
7 Outline and Installation Dimensions

7.1 GL/C/Z-100/T switch disconnector outline and installation dimensions

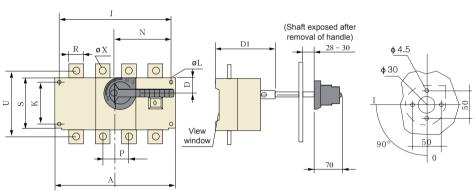


GL/C/Z-100 direct operation

7.2 GL/C/Z-125~630/K load-break switch outline and installation dimensions



GL/C/Z-125~630/K direct operation



GL/C/Z-125~630/J out-of-cabinet operation

GL/C/Z-125~63 out-of-cabinet operating handle panel installation dimensions drawing

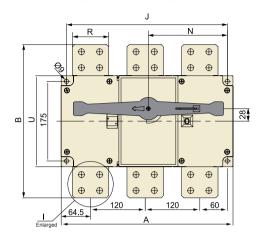
Table 2

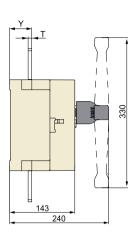
| Spec. | | Outline dimensions and installation dimensions (mm) | | | | | | | | | | | | | | | |
|------------|-----|---|-----|----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|----|----|
| Current | Α | | С | D | D1 | | φL | | K | N | Р | R | | | U | φΧ | Υ |
| 125, 160/3 | 140 | 135 | 125 | 27 | 92 | 73 | 5.5 | 120 | 65 | 75 | 36 | 20 | 85 | 3 | 117 | 9 | 24 |
| 125, 160/4 | 170 | 135 | 125 | 27 | 92 | 73 | 5.5 | 150 | 65 | 75 | 36 | 20 | 85 | 3 | 117 | 9 | 24 |
| 200, 250/3 | 180 | 170 | 138 | 35 | 98 | 86 | 5.5 | 160 | 90 | 105 | 50 | 25 | 110 | 3 | 140 | 11 | 26 |
| 200, 250/4 | 230 | 170 | 138 | 35 | 98 | 86 | 5.5 | 210 | 90 | 105 | 50 | 25 | 110 | 3 | 140 | 11 | 26 |
| 400/3 | 230 | 240 | 185 | 50 | 135 | 110 | 7 | 210 | 140 | 135 | 65 | 32 | 160 | 4.5 | 206 | 11 | 37 |
| 400/4 | 290 | 240 | 185 | 50 | 135 | 110 | 7 | 270 | 140 | 135 | 65 | 32 | 160 | 4.5 | 206 | 11 | 37 |
| 630/3 | 230 | 260 | 185 | 50 | 135 | 110 | 7 | 210 | 140 | 135 | 65 | 40 | 160 | 5 | 220 | 13 | 37 |
| 630/4 | 290 | 260 | 185 | 50 | 135 | 110 | 7 | 270 | 140 | 135 | 65 | 40 | 160 | 5 | 220 | 13 | 37 |

Power Distribution Electrics

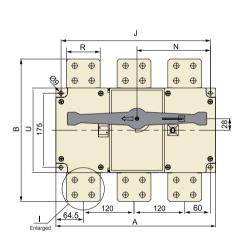
GL/C/Z Series Load-break Switch

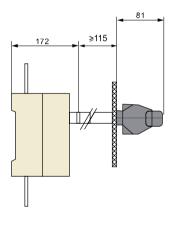
7.3 Switch disconnector outline and installation dimensions



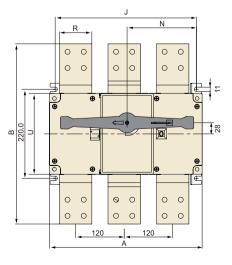


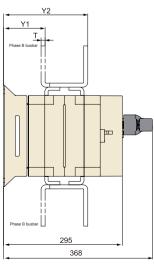
GL-1000~1600/TK direct operation



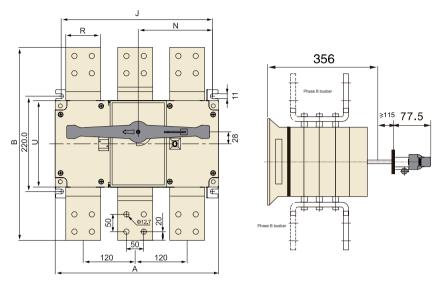


GL-1000~1600/TK out-of-cabinet operation





GL/C/Z-2000~3150/ direct operation



GL/C/Z-2000~3150/ out-of-cabinet operation

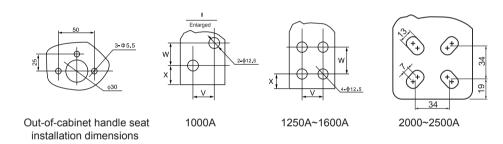


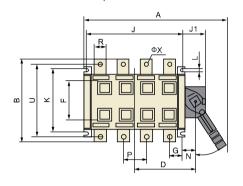
Table 3

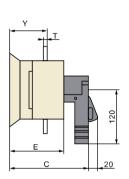
| Spec. | Outline dimensions and installation dimensions (mm) A B J N R T U Y(Y1.Y2) V W X | | | | | | | | | | | | |
|----------------------|---|-----|-----|-------|-----|----|-----|-----------|----|----|------|--|--|
| Current | А | В | | N | R | | U | Y(Y1, Y2) | V | W | Х | | |
| 1000/3 | 378 | 310 | 353 | 176.5 | 60 | 8 | 200 | 48 | 35 | 20 | 16.5 | | |
| 1000/4 | 498 | 310 | 473 | 236.5 | 60 | 8 | 200 | 48 | 35 | 20 | 16.5 | | |
| 1250/3 | 378 | 336 | 353 | 176.5 | 80 | 8 | 200 | 48 | 40 | 35 | 16 | | |
| 1250/4 | 498 | 336 | 473 | 236.5 | 80 | 8 | 200 | 48 | 40 | 35 | 16 | | |
| 1600/3 | 378 | 336 | 353 | 176.5 | 80 | 10 | 200 | 49 | 40 | 35 | 16 | | |
| 1600/4 | 498 | 336 | 473 | 236.5 | 80 | 10 | 200 | 49 | 40 | 35 | 16 | | |
| 2000/3 | 378 | 405 | 353 | 176.5 | 80 | 10 | 200 | 109, 203 | 40 | 40 | 20 | | |
| 2000/4 | 498 | 405 | 473 | 236.5 | 80 | 10 | 200 | 109, 203 | 40 | 40 | 20 | | |
| 2500/3 | 378 | 405 | 353 | 176.5 | 80 | 10 | 200 | 109, 203 | 40 | 40 | 20 | | |
| 2500/4 | 498 | 405 | 473 | 236.5 | 80 | 10 | 200 | 109, 203 | 40 | 40 | 20 | | |
| 3150/3 | 378 | 460 | 353 | 176.5 | 120 | 12 | 200 | 104, 207 | 50 | 50 | 21 | | |
| 3150/4 | 498 | 460 | 473 | 236.5 | 120 | 12 | 200 | 104, 207 | 50 | 50 | 21 | | |
| 3150/3 customized | 378 | 460 | 353 | 174 | 120 | 15 | 200 | 107, 210 | 50 | 50 | 21 | | |
| 3150/4 customized | 498 | 460 | 471 | 235 | 120 | 15 | 200 | 107, 210 | 50 | 50 | 21 | | |

8 Side-Operated Load-break switch

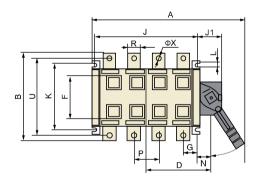
- GLC(125~1600A) is suitable for the connection and disconnection of circuits or for electrical isolation, and there are three poles and four poles (three poles + ON/OFF neutral poles).
- Products with observation ports can be provided as needed to directly observe the ON-OFF status of the contact.
- In-cabinet operation: The handle is installed on the right side of the switch.
- Out-of-cabinet operation: The handle is installed on the door of the distribution cabinet.
- Two sets of aux. contacts can be provided as needed.
- The extended shaft is used for operation outside cabinet.
- Electrical and mechanical properties correspond to those of GL(125~1600A), respectively.

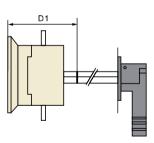
8.1 GLC-160~630 side-operated load-break switch outline and installation dimensions



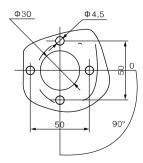


GLC-160A direct operation





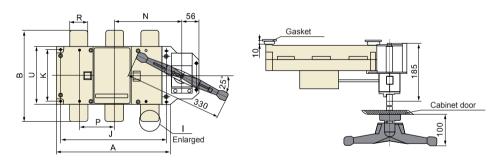
GLC-160~630A/K out-of-cabinet operation



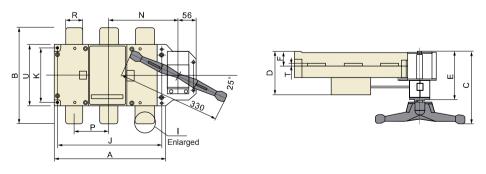
Out-of-cabinet handle seat installation dimensions

Table 4

| Spec. | | | | | (| Outlin | e dim | nensi | ons a | nd ins | stallat | ion d | imens | sions | (mm) | | | | | |
|---------|-----|-----|-----|-----|-----|--------|-------|-------|-------|--------|---------|-------|-------|-------|------|----|----|----|----|----|
| Current | Α | В | С | D | D1 | Е | J | J1 | К | N | Р | R | Т | U | φХ | | L | F | S | G |
| 125/3 | 267 | 135 | 147 | 89 | 125 | 88 | 120 | 65 | 95 | 29 | 36 | 20 | 3 | 115 | 9 | 25 | 7 | 50 | 25 | 28 |
| 125/4 | 297 | 135 | 147 | 104 | 125 | 88 | 150 | 65 | 95 | 29 | 36 | 20 | 3 | 115 | 9 | 25 | 7 | 50 | 25 | 22 |
| 160/3 | 267 | 135 | 147 | 89 | 125 | 88 | 120 | 65 | 95 | 29 | 36 | 20 | 3 | 115 | 9 | 25 | 7 | 50 | 25 | 28 |
| 160/4 | 297 | 135 | 147 | 104 | 125 | 88 | 150 | 65 | 95 | 29 | 36 | 20 | 3 | 115 | 9 | 25 | 7 | 50 | 25 | 22 |
| 200/3 | 308 | 170 | 167 | 110 | 134 | 98 | 160 | 65 | 116 | 30 | 50 | 25 | 3 | 140 | 11 | 25 | 9 | 79 | 30 | 33 |
| 200/4 | 358 | 170 | 167 | 135 | 134 | 98 | 210 | 65 | 116 | 30 | 50 | 25 | 3 | 140 | 11 | 25 | 9 | 79 | 30 | 33 |
| 250/3 | 308 | 170 | 167 | 110 | 134 | 98 | 160 | 65 | 116 | 30 | 50 | 25 | 3 | 140 | 11 | 25 | 9 | 79 | 30 | 33 |
| 250/4 | 358 | 170 | 167 | 135 | 134 | 98 | 210 | 65 | 116 | 30 | 50 | 25 | 3 | 140 | 11 | 25 | 9 | 79 | 30 | 33 |
| 400/3 | 420 | 240 | 208 | 150 | 166 | 129 | 210 | 77 | 179 | 45 | 65 | 32 | 4.5 | 206 | 11 | 37 | 11 | 95 | 40 | 42 |
| 400/4 | 490 | 240 | 208 | 180 | 166 | 129 | 270 | 77 | 179 | 45 | 65 | 32 | 4.5 | 206 | 11 | 37 | 11 | 95 | 40 | 38 |
| 630/3 | 420 | 260 | 208 | 150 | 166 | 129 | 210 | 77 | 179 | 45 | 65 | 40 | 5 | 220 | 13 | 37 | 11 | 94 | 50 | 42 |
| 630/4 | 490 | 260 | 208 | 180 | 166 | 129 | 270 | 77 | 179 | 45 | 65 | 40 | 5 | 220 | 13 | 37 | 11 | 94 | 50 | 38 |



GLC-1600A/3J out-of-cabinet operation



GLC-1600A/3 direct operation

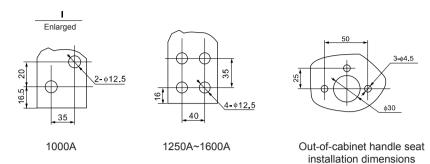
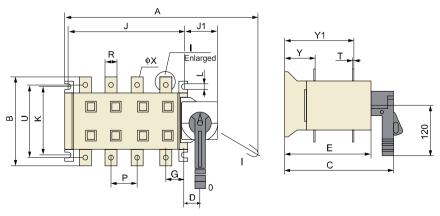


Table 5

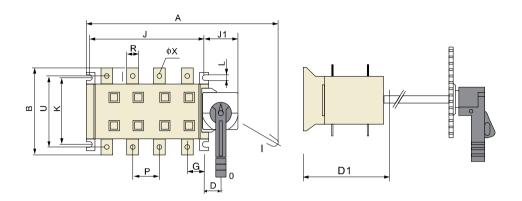
| Spec. | | | (| Outline | dimens | ions an | d install | ation di | mensio | ns (mm |) | | |
|---------|-----|-----|-----|---------|--------|---------|-----------|----------|--------|--------|----|-----|----|
| Current | Α | | С | D | | | | K | N | Р | R | U | |
| 1000/3 | 378 | 310 | 249 | 140.5 | 179 | 48 | 353 | 175 | 241.5 | 120 | 60 | 200 | 8 |
| 1000/4 | 498 | 310 | 249 | 140.5 | 179 | 48 | 473 | 175 | 301.5 | 120 | 60 | 200 | 8 |
| 1250/3 | 378 | 336 | 249 | 140.5 | 179 | 48 | 353 | 175 | 241.5 | 120 | 80 | 200 | 8 |
| 1250/4 | 498 | 336 | 249 | 140.5 | 179 | 48 | 473 | 175 | 301.5 | 120 | 80 | 200 | 8 |
| 1600/3 | 378 | 336 | 249 | 140.5 | 179 | 48 | 353 | 175 | 241.5 | 120 | 80 | 200 | 10 |
| 1600/4 | 498 | 336 | 249 | 140.5 | 179 | 48 | 473 | 175 | 301.5 | 120 | 80 | 200 | 10 |

9 Transfer Load-break switch

- GLZ-100~1600 is suitable for switching between two low-voltage circuits or for transferring or safety isolation of two load devices.
- Operation mode: The handle is installed on the switch.
- Out-of-cabinet operation: The handle is installed outside the distribution cabinet.
- The product with a view window can be provided as needed to directly observe the Open / Closed state of the contact.
- There are three-pole and four-pole types (three-pole + ON / OFF neutral pole)
- The extended shaft is used for operation outside cabinet.
- Two sets of aux. contacts are provided as needed.
- Electrical and mechanical properties correspond to those of GL-100~1600, respectively.
- 9.1 Outline and Installation Dimensions of GLZ upper and lower transfer load-break switch



GLZ-100~1600A direct operation



GLZ-100A~1600A out-of-cabinet operation

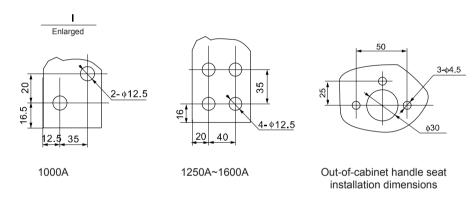
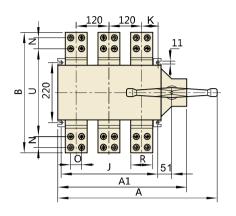


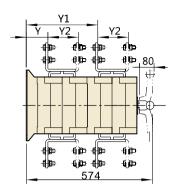
Table 6

| Spec. | Outline dimensions and installation dimensions (mm) | | | | | | | | | | | | | | | | | |
|-----------|---|-----|-----|------|-----|-----|-----|-------|-----|----|-----|----|-----|-----|----|-----|-------|------|
| Current | Α | В | С | D | D1 | | | J1 | K | | Р | R | | U | φХ | | Y1 | G |
| GLZ-100/3 | 277 | 110 | 170 | 39 | 149 | 120 | 115 | 75 | 85 | 7 | 30 | 14 | 2.5 | 90 | 6 | 41 | 92 | 12.5 |
| GLZ-100/4 | 277 | 110 | 170 | 39 | 149 | 120 | 115 | 75 | 85 | 7 | 30 | 14 | 2.5 | 90 | 6 | 41 | 92 | 12.5 |
| 125~160/3 | 267 | 135 | 212 | 29 | 189 | 165 | 120 | 65 | 95 | 7 | 36 | 20 | 3 | 115 | 9 | 55 | 121 | 28 |
| 125~160/4 | 297 | 135 | 212 | 29 | 189 | 165 | 150 | 65 | 95 | 7 | 36 | 20 | 3 | 115 | 9 | 55 | 121 | 22 |
| 200~250/3 | 308 | 170 | 249 | 30 | 215 | 182 | 160 | 65 | 116 | 9 | 50 | 25 | 3 | 140 | 11 | 64 | 146 | 33 |
| 200~250/4 | 358 | 170 | 249 | 30 | 215 | 182 | 210 | 65 | 116 | 9 | 50 | 25 | 3 | 140 | 11 | 64 | 146 | 33 |
| 400/3 | 420 | 240 | 318 | 45 | 272 | 241 | 210 | 77 | 179 | 11 | 65 | 32 | 4.5 | 206 | 11 | 83 | 193 | 42 |
| 400/4 | 490 | 240 | 318 | 45 | 272 | 241 | 270 | 77 | 179 | 11 | 65 | 32 | 4.5 | 206 | 11 | 83 | 193 | 38 |
| 630/3 | 420 | 240 | 318 | 45 | 272 | 241 | 210 | 77 | 179 | 11 | 65 | 40 | 5 | 220 | 13 | 83 | 193 | 42 |
| 630/4 | 490 | 240 | 318 | 45 | 272 | 241 | 270 | 77 | 179 | 11 | 65 | 40 | 5 | 220 | 13 | 83 | 193 | 38 |
| 1000/3 | 578 | 312 | 392 | 52.5 | 340 | 309 | 353 | 108.5 | 220 | 11 | 120 | 60 | 8 | 235 | 13 | 107 | 251.5 | 53.5 |
| 1000/4 | 698 | 312 | 392 | 52.5 | 340 | 309 | 473 | 108.5 | 220 | 11 | 120 | 60 | 8 | 235 | 13 | 107 | 251.5 | 50.5 |
| 1250/3 | 578 | 338 | 392 | 52.5 | 340 | 309 | 353 | 108.5 | 220 | 11 | 120 | 80 | 8 | 235 | 13 | 107 | 251.5 | 53.5 |
| 1250/4 | 698 | 338 | 392 | 52.5 | 340 | 309 | 473 | 108.5 | 220 | 11 | 120 | 80 | 8 | 235 | 13 | 107 | 251.5 | 50.5 |
| 1600/3 | 578 | 338 | 392 | 52.5 | 340 | 309 | 353 | 108.5 | 220 | 11 | 120 | 80 | 10 | 235 | 13 | 108 | 251.5 | 53.5 |
| 1600/4 | 698 | 338 | 392 | 52.5 | 340 | 309 | 473 | 108.5 | 220 | 11 | 120 | 80 | 10 | 235 | 13 | 108 | 251.5 | 50.5 |

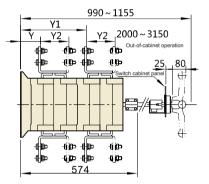
Power Distribution Electrics

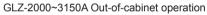
GL/C/Z Series Load-break Switch

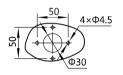




GLZ-2000~3150 direct operation





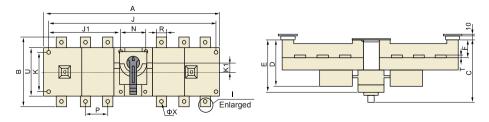


Out-of-cabinet operating handle panel installation dimensions drawing

Table 7

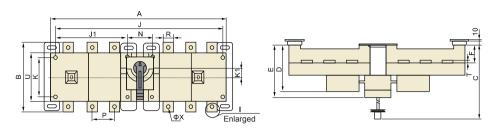
| Spec. | | | Out | tline dim | ensions | and in | stallatio | n dimen | sions (n | nm) | | |
|---------|-----|-----|-----|-----------|---------|--------|-----------|---------|----------|-----|-----|-----|
| Current | Α | A1 | В | K | R | | U | 0 | N | | Y1 | Y2 |
| 2000A/3 | 582 | 450 | 445 | 53.5 | 80 | 353 | 325 | 40 | 40 | 102 | 341 | 105 |
| 2500A/3 | 582 | 450 | 445 | 53.5 | 80 | 353 | 325 | 40 | 40 | 102 | 341 | 105 |
| 3150A/3 | 582 | 450 | 492 | 53.5 | 120 | 353 | 350 | 50 | 50 | 76 | 315 | 105 |
| 2000A/4 | 697 | 565 | 447 | 50.5 | 80 | 471 | 325 | 40 | 40 | 103 | 342 | 105 |
| 2500A/4 | 697 | 565 | 447 | 50.5 | 80 | 471 | 325 | 40 | 40 | 103 | 342 | 105 |
| 3150A/4 | 697 | 565 | 494 | 50.5 | 120 | 471 | 350 | 50 | 50 | 76 | 315 | 105 |

9.2 Outline and installation dimensions of GLZ2-160~1600 left and right transfer load-break switch



GLZ2-160A~1600A direct operation

Power Distribution Electrics



GLZ2-160A-1600A direct operation

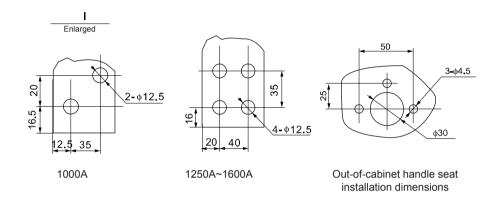


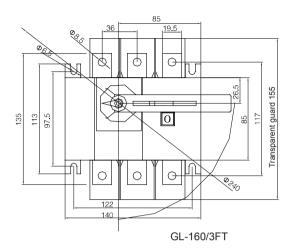
Table 8

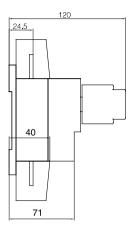
| Spec. | | | | | Out | line di | mensi | ons a | nd ins | stalla | ation | dimer | nsion | s (mn | n) | | | | |
|-----------|------|-----|-----|-----|-----|---------|-------|-------|--------|--------|-------|-------|-------|-------|-----|-----|----|-----|-----|
| Current | Α | В | С | D | Е | | | J1 | K | K1 | М | N | Р | Q | R | U | φΧ | Т | W |
| 125~160/3 | 319 | 135 | 125 | 67 | 89 | 24 | 299 | 120 | 65 | 16 | 5.5 | 59 | 36 | 218 | 20 | 85 | 9 | 3 | 190 |
| 125~160/4 | 379 | 135 | 125 | 67 | 89 | 24 | 359 | 150 | 65 | 16 | 5.5 | 59 | 36 | 218 | 20 | 85 | 9 | 3 | 190 |
| 200~250/3 | 405 | 170 | 134 | 79 | 104 | 25 | 385 | 160 | 90 | 20 | 5.5 | 65 | 50 | 218 | 25 | 110 | 11 | 3 | 190 |
| 200~250/4 | 505 | 170 | 134 | 79 | 104 | 25 | 485 | 210 | 90 | 20 | 5.5 | 65 | 50 | 218 | 25 | 110 | 11 | 3 | 190 |
| 400/3 | 535 | 240 | 166 | 108 | 131 | 37 | 515 | 210 | 140 | 30 | 6.5 | 95 | 65 | 270 | 32 | 160 | 11 | 4.5 | 240 |
| 400/4 | 655 | 240 | 166 | 108 | 131 | 37 | 635 | 270 | 140 | 30 | 6.5 | 95 | 65 | 270 | 32 | 160 | 11 | 4.5 | 240 |
| 630/3 | 535 | 240 | 166 | 108 | 131 | 37.5 | 515 | 210 | 140 | 30 | 6.5 | 95 | 65 | 270 | 40 | 160 | 13 | 5 | 240 |
| 630/4 | 655 | 240 | 166 | 108 | 131 | 37.5 | 635 | 270 | 140 | 30 | 6.5 | 95 | 65 | 270 | 402 | 160 | 13 | 5 | 240 |
| 1000/3 | 836 | 312 | 179 | 141 | 163 | 48 | 811 | 353 | 175 | 27 | 8.5 | 105 | 120 | 311 | 60 | 200 | 13 | 8 | 280 |
| 1000/4 | 1076 | 312 | 179 | 141 | 163 | 48 | 1051 | 473 | 175 | 27 | 8.5 | 105 | 120 | 311 | 60 | 200 | 13 | 8 | 280 |
| 1250/3 | 836 | 338 | 179 | 141 | 163 | 48 | 811 | 353 | 175 | 27 | 8.5 | 105 | 120 | 311 | 80 | 200 | 13 | 8 | 280 |
| 1250/4 | 1076 | 338 | 179 | 141 | 163 | 48 | 1051 | 473 | 175 | 27 | 8.5 | 105 | 120 | 311 | 80 | 200 | 13 | 8 | 280 |
| 1600/3 | 836 | 338 | 179 | 141 | 163 | 48 | 811 | 353 | 175 | 27 | 8.5 | 105 | 120 | 311 | 80 | 200 | 13 | 10 | 280 |
| 1600/4 | 1076 | 338 | 179 | 141 | 163 | 48 | 1051 | 473 | 175 | 27 | 8.5 | 105 | 120 | 311 | 80 | 200 | 13 | 10 | 280 |

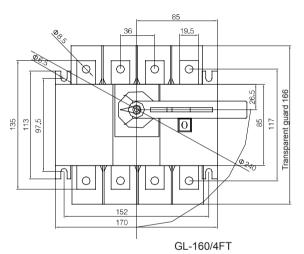
Power Distribution Electrics

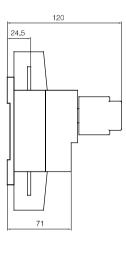
GL/C/Z Series Load-break Switch

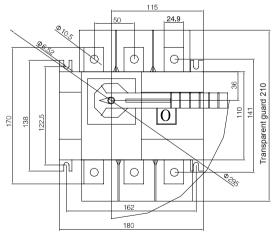
9.3 Outline and installation dimensions of GL-125~630/F/T load-break switch

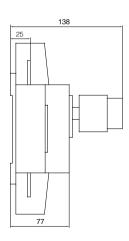




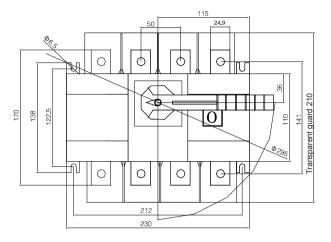


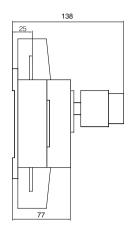




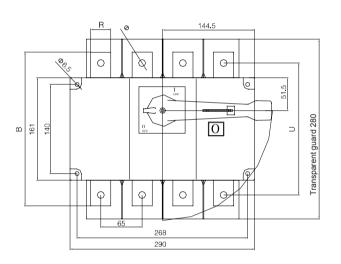


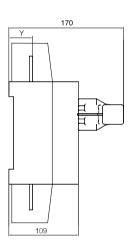
GL-250/3FT



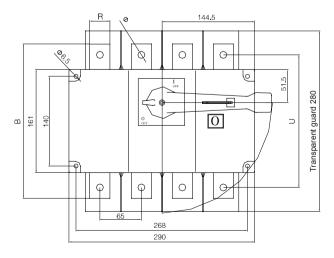


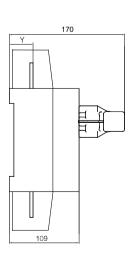
GL-250/4FT





GL-400~630/3FT





GL-400~630/4FT

Table 9

| Spec. | | | Outline dimensions | | |
|-------|-----|-----|--------------------|------|----|
| ln . | В | U | R | | |
| 400A | 241 | 207 | 32 | 37 | 11 |
| 630A | 260 | 220 | 40 | 37.5 | 13 |

10 Operation and Maintenance

10.1 The switch should be installed vertically. Please check whether the contents of the nameplate meet the working requirements and confirm that the switch is in the OFF state before installation. Turn the switch operating handle until the arrow on the handle indicates the "I" and the view window also shows that the "I" switch is in the ON state.

10.2 The terminal block and bare bus bars on the switch should be wrapped with insulating materials to prevent short circuit between phases of the switch.

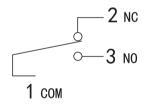
10.3 For switch that is operated outside the cabinet, if the extended shaft is not coaxial with the hole on the handle, do not turn the extended shaft to avoid damage to the internal parts. Be sure to adjust the switch position to ensure they are coaxial.

10.4 Switches should be maintained every about six months. If the rotating part is turning inflexibly, place apply MP-3 grease on it. Check whether the fasteners are loose, and they can be repaired according to the actual situations, and cannot be used if seriously damaged.

11 Aux. Switch and Wiring Diagram



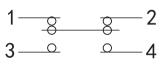
GL-100



GL-100 switch in the OFF position



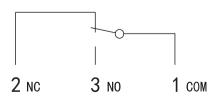
KW2-0Z



GL-160~630 switch in the OFF position



HR17N-100 micro



HR17N-100 switch in the OFF position

Power Distribution Electrics

GL/C/Z Series Load-break Switch

12 Ordering Notice

Please specify the following contents when ordering:

- 12.1 Product name, model, specification and quantity.
- 12.2 If there are special installation conditions or special applications, please provide the corresponding technical data or contact our company.
- 12. Model Example

Load-break switch, out-of-cabinet operation, GLZ rated current 630A, 4-pole – 630/4J.