



|                                                                            |      |         |                                   |
|----------------------------------------------------------------------------|------|---------|-----------------------------------|
| Product designation                                                        |      |         | Motorized<br>changeover<br>switch |
| Product type designation                                                   |      |         | GLCM                              |
| Number of poles                                                            |      | Nr.     | 4                                 |
| Operating voltage type                                                     |      |         | AC                                |
| Contact characteristics                                                    |      |         |                                   |
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ |      | A       | 160                               |
| Rated insulation voltage $U_i$ IEC/EN                                      |      | V       | 1000                              |
| Rated impulse withstand voltage $U_{imp}$                                  |      | kV      | 12                                |
| Operating current $I_e$                                                    |      |         |                                   |
| AC21A                                                                      |      |         |                                   |
|                                                                            | 400V | A       | 160                               |
|                                                                            | 500V | A       | 160                               |
|                                                                            | 690V | A       | 160                               |
| AC22A                                                                      |      |         |                                   |
|                                                                            | 400V | A       | 160                               |
|                                                                            | 500V | A       | 160                               |
|                                                                            | 690V | A       | 160                               |
| AC23A                                                                      |      |         |                                   |
|                                                                            | 400V | A       | 160                               |
|                                                                            | 500V | A       | 160                               |
|                                                                            | 690V | A       | 160                               |
| AC-31B                                                                     |      |         |                                   |
|                                                                            | 400V | A       | 160                               |
|                                                                            | 500V | A       | 160                               |
|                                                                            | 690V | A       | 160                               |
| AC-32B                                                                     |      |         |                                   |
|                                                                            | 400V | A       | 160                               |
|                                                                            | 500V | A       | 160                               |
|                                                                            | 690V | A       | 160                               |
| AC-33B                                                                     |      |         |                                   |
|                                                                            | 400V | A       | 160                               |
|                                                                            | 500V | A       | 160                               |
|                                                                            | 690V | A       | 160                               |
| Power dissipation per pole max                                             |      | W       | 3.2                               |
| Rated operational power AC23A                                              |      |         |                                   |
|                                                                            | 400V | kW      | 90                                |
|                                                                            | 690V | kW      | 144                               |
| Conditional short-circuit current (rms)                                    |      | kA      | 100                               |
| Short-circuit protection with fuse                                         |      | Class/A | gG/160                            |
| Making capacity AC23A 400V                                                 |      | A       | 1600                              |
| Breaking capacity AC23A 400V                                               |      | A       | 1280                              |
| Mechanical life                                                            |      | cycles  | 20000                             |
| Mechanical features                                                        |      |         |                                   |
| Operating position                                                         |      |         |                                   |

|                                               |                                                                                      |                                     |
|-----------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------|
|                                               | normal<br>allowable                                                                  | Vertical plan<br>Any                |
| Fixing                                        |                                                                                      | Screw                               |
| Terminals                                     | type                                                                                 | M8 x 25                             |
| Tightening torque for terminals               | min Nm<br>max Nm<br>min lbin<br>max lbin                                             | 15<br>20<br>132<br>177              |
| Conductor section                             | IEC min mm <sup>2</sup><br>IEC max mm <sup>2</sup><br>AWG/kcmil min<br>AWG/kcmil max | 70<br>185<br>00<br>400              |
| Weight                                        | g                                                                                    | 8400                                |
| <b>Motor data</b>                             |                                                                                      |                                     |
| Rated operational voltage                     | V                                                                                    | 110...<br>125VAC/DC                 |
| Operating voltage range                       |                                                                                      | 77...165VAC/DC                      |
| Operating time                                | I-O, O-I s<br>I-O-II, II-O-I s                                                       | 0.55...0.89<br>1.6...2.4            |
| Rated current (In)                            | A                                                                                    | 0.72...0.88                         |
| In-rush current                               | A                                                                                    | 1.8...2.2                           |
| Switching rate                                | Max continuous Cycles/min 1<br>Short time Cycles/min 10                              |                                     |
| <b>Terminal blocks data</b>                   |                                                                                      |                                     |
| Conductor section                             | IEC min mm <sup>2</sup><br>IEC max mm <sup>2</sup><br>AWG/kcmil min<br>AWG/kcmil max | 0.2<br>2.5<br>24<br>14              |
| Maximum cable length                          | m / ft                                                                               | 100 / 328                           |
| <b>UL technical data</b>                      |                                                                                      |                                     |
| UL Standard                                   |                                                                                      | 1008                                |
| General purpose current rating                | A                                                                                    | 100                                 |
| Operating voltage max                         | V                                                                                    | 600                                 |
| Total system current                          | 240V A<br>480V A<br>600V A                                                           | 100<br>100<br>100                   |
| Resistive load current                        | 240V A<br>480V A<br>600V A                                                           | 100<br>100<br>100                   |
| Short circuit rating                          | kA rms                                                                               | 100                                 |
| Short circuit rating with fuse                | Class/A                                                                              | J/100                               |
| UL Terminal kit lugs                          |                                                                                      | GLX500-501                          |
| Minimum enclosure dimensions at rated current | mm in<br>mm in                                                                       | 400 x 250 x 150<br>15.8 x 9.9 x 5.9 |

Ambient conditions

|                       |     |    |     |
|-----------------------|-----|----|-----|
| Operating temperature | min | °C | -25 |
|                       | max | °C | +55 |

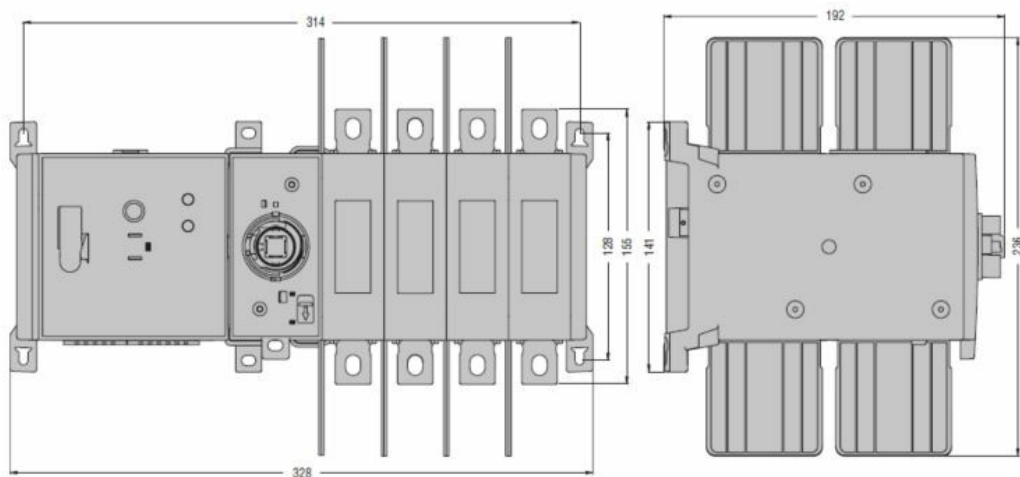
|                     |     |    |     |
|---------------------|-----|----|-----|
| Storage temperature | min | °C | -40 |
|                     | max | °C | +70 |

|              |   |      |
|--------------|---|------|
| Max altitude | m | 3000 |
|--------------|---|------|

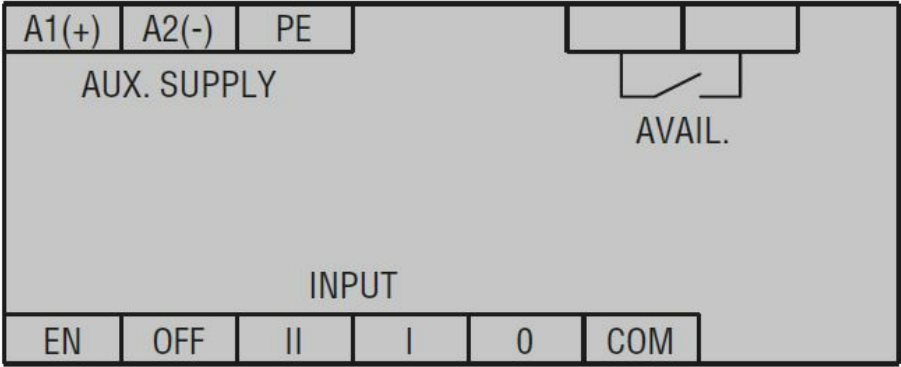
Resistance & Protection

|                  |   |
|------------------|---|
| Pollution degree | 3 |
|------------------|---|

Dimensions



Wiring diagrams



Certifications and compliance

|                |       |
|----------------|-------|
| Certifications | cULus |
|----------------|-------|