

ENERGY AND AUTOMATION

| Product type design                  | ation                                  |                  |          | GX32       |
|--------------------------------------|--|------------------|----------|------------|
| General characteris                  |  |                  |          |            |
| Switching diagram                    |  |                  |          | 27         |
| Contact characterist                 | tics                                   |                  |          |            |
| Rated insulation volt                | age Ui                                 |                  |          |            |
|                                      |  | IEC/EN           | V        | 690        |
|                                      |  | UL/CSA           | V        | 600        |
| Rated impulse withstand voltage Uimp |  |                  | kV       | 6          |
| Conventional free ai                 | r thermal current Ith                  |                  |          |            |
|                                      |  | UL/CSA           | Α        | 32         |
| Rated operational voltage            |  |                  | V        | 440        |
| Maximum fuse size                    | for short-circuit protection In (gG)   |                  |          |            |
|                                      |  | 25kA             | Α        | 35         |
|                                      |  | 50kA             | Α        | 32         |
| Rated short time cu                  | rrent Icw                              |                  |          |            |
|                                      |  | 1s               | Α        | 800        |
| Operational current                  |  |                  |          |            |
|                                      | AC1/AC21A                              |                  |          |            |
|                                      |  |                  | A        | 32         |
|                                      | AC15                                   |                  |          |            |
|                                      |  | 110V             | Α        | 25         |
|                                      |  | 220/230V         | Α        | 20         |
|                                      |  | 380/400V         | Α        | 10         |
|                                      |  | 660/690V         | Α        | 5.5        |
| Rated operational p                  |  |                  |          |            |
|                                      | Three-phase AC-3                       | 000/000/         |          |            |
|                                      |  | 220/230V         | kW       | 7.5        |
|                                      |  | 380/440V         | kW       | 11         |
|                                      | 0'                                     | 500/690V         | kW       | 11         |
|                                      | Single-phase AC-3                      | 440\/            | 1.1.0.7  | 4.0        |
|                                      |  | 110V<br>220/230V | kW<br>kW | 1.8        |
|                                      |  | 380/440V         | kW       | 3.5<br>5.5 |
|                                      | Three phase AC22A                      | 300/4401         | KVV      | 5.5        |
|                                      | Three-phase AC23A                      | 220/230V         | kW       | 8          |
|                                      |  | 380/440V         | kW       | 15         |
|                                      |  | 500/690V         | kW       | 15         |
|                                      | Single-phase AC23A                     | 300/030 V        | 17.4.4   | 10         |
|                                      | Olligie-pliase AO23A                   | 110V             | kW       | 2.2        |
|                                      |  | 220/230V         | kW       | 3.5        |
|                                      |  | 380/440V         | kW       | 6          |
| Rated operational co                 | urrent in DC                           | 330/ 1 10 V      |          |            |
| rated operational of                 | DC21A                                  |                  |          |            |
|                                      |  | 48V              | Α        | 32         |
|                                      |  | 60V              | Α        | 32         |
|                                      |  | 110V             | Α        | 5          |
|                                      |  | 220V             | Α        | 0.8        |
|                                      |  | 440V             | Α        | 0.25       |
|                                      | DC23A (poles in series)                |                  |          | <u> </u>   |
|                                      | · · · (F · · · · · · · · · · · · · · · | 24V              | Α        | 32 (1)     |
|                                      |  | 48V              | A        | 32 (2)     |
|                                      |  | 60V              | Α        | 32 (3)     |
|                                      |  | 110V             | Α        | 15 (3)     |
|                                      |  | 110V             | Α        | 15 (3)     |





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|  |   | 220V   | Α                                | 12 (4)  |
|--|---|--|----------------------------------|---|
|  | DC13  |  |                                  |   |
|  |   | 24V  | Α                                | 32  |
|  |   | 48V  | Α                                | 25  |
|  |   | 60V  | Α                                | 16  |
|  |   | 110V   | Α                                | 3   |
|  |   | 220V   | Α                                | 0.5   |
|  |   | 440V   | Α                                | 0.15  |
| Mechanical features  |   |  |                                  |   |
| Terminals screw  |   |  |                                  | M4  |
| Tightening torque for to   | erminals max  |  | Nm                               | 1.2   |
| Conductor size   |   |  |                                  |   |
|  | AWG - Rigid cable   |  |                                  |   |
|  |   | min  | AWG                              | 16  |
|  | AWG - Flexible cable  |  |                                  |   |
|  |   | min  | AWG                              | 16  |
|  |   | Max  | AWG                              | 10  |
|  | Conductor size (IEC) - Flexible cable   |  |                                  |   |
|  |   | min  | mm²                              | 1.5   |
|  |   | Max  | mm²                              | 6   |
|  | Conductor size (IEC) - Rigid cable  |  |                                  |   |
|  |   | min  | mm²                              | 1.5   |
| -  |   | Max  | mm²                              | 10  |
| Mechanical life  |   |  | cycles                           | 5x10 <sup>6</sup>   |
| III tookajaal data   |   |  |                                  |   |
| UL technical data  |   |  |                                  |   |
| Motor power for direct-  |   |  |                                  |   |
|  | -on-line control<br>for three-phase motor   |  |                                  |   |
|  |   | 120V   | HP                               | 3   |
|  |   | 240V   | HP                               | 7.5   |
|  |   | 240V<br>480V                                       | HP<br>HP                         | 7.5<br>15   |
|  | for three-phase motor   | 240V   | HP                               | 7.5   |
|  |   | 240V<br>480V<br>600V                               | HP<br>HP<br>HP                   | 7.5<br>15<br>15   |
|  | for three-phase motor   | 240V<br>480V<br>600V                               | HP<br>HP<br>HP                   | 7.5<br>15<br>15   |
| Motor power for direct-  | for three-phase motor   | 240V<br>480V<br>600V                               | HP<br>HP<br>HP                   | 7.5<br>15<br>15   |
| Motor power for direct-  | for three-phase motor   | 240V<br>480V<br>600V                               | HP<br>HP<br>HP                   | 7.5<br>15<br>15   |
| Motor power for direct-  | for three-phase motor  for single-phase motor   | 240V<br>480V<br>600V                               | HP<br>HP<br>HP                   | 7.5<br>15<br>15   |
| Motor power for direct-  | for three-phase motor   | 240V<br>480V<br>600V<br>120V<br>240V               | HP<br>HP<br>HP<br>HP             | 7.5<br>15<br>15<br>1.5<br>3   |
| Motor power for direct-  | for three-phase motor  for single-phase motor   | 240V<br>480V<br>600V<br>120V<br>240V               | HP<br>HP<br>HP<br>HP             | 7.5<br>15<br>15<br>1.5<br>3   |
| Motor power for direct-  | for three-phase motor  for single-phase motor  Operating temperature                      | 240V<br>480V<br>600V<br>120V<br>240V               | HP<br>HP<br>HP<br>HP             | 7.5<br>15<br>15<br>1.5<br>3   |
| Motor power for direct-  | for three-phase motor  for single-phase motor   | 240V<br>480V<br>600V<br>120V<br>240V               | HP<br>HP<br>HP<br>HP<br>C°C      | 7.5<br>15<br>15<br>1.5<br>3   |
| Motor power for direct-  | for three-phase motor  for single-phase motor  Operating temperature                      | 240V<br>480V<br>600V<br>120V<br>240V<br>min<br>max | HP<br>HP<br>HP<br>HP<br>°C<br>°C | 7.5<br>15<br>15<br>1.5<br>3<br>-25<br>+55   |
| Ambient conditions Temperature   | for three-phase motor  for single-phase motor  Operating temperature  Storage temperature | 240V<br>480V<br>600V<br>120V<br>240V               | HP<br>HP<br>HP<br>HP<br>C°C      | 7.5<br>15<br>15<br>1.5<br>3   |
| Ambient conditions Temperature  Resistance & Protection  | for three-phase motor  for single-phase motor  Operating temperature  Storage temperature | 240V<br>480V<br>600V<br>120V<br>240V<br>min<br>max | HP<br>HP<br>HP<br>HP<br>°C<br>°C | 7.5<br>15<br>15<br>1.5<br>3<br>-25<br>+55<br>-40<br>+70                               |
| Ambient conditions Temperature  Resistance & Protections Frontal IP degree   | for three-phase motor  for single-phase motor  Operating temperature  Storage temperature | 240V<br>480V<br>600V<br>120V<br>240V<br>min<br>max | HP<br>HP<br>HP<br>HP<br>°C<br>°C | 7.5<br>15<br>15<br>1.5<br>3<br>-25<br>+55<br>-40<br>+70                               |
| Ambient conditions Temperature  Resistance & Protections Frontal IP degree Terminals IP degree                     | for three-phase motor  for single-phase motor  Operating temperature  Storage temperature | 240V<br>480V<br>600V<br>120V<br>240V<br>min<br>max | HP<br>HP<br>HP<br>HP<br>°C<br>°C | 7.5<br>15<br>15<br>1.5<br>3<br>-25<br>+55<br>-40<br>+70                               |
| Ambient conditions Temperature  Resistance & Protections Frontal IP degree   | for three-phase motor  for single-phase motor  Operating temperature  Storage temperature | 240V<br>480V<br>600V<br>120V<br>240V<br>min<br>max | HP<br>HP<br>HP<br>HP<br>°C<br>°C | 7.5<br>15<br>15<br>1.5<br>3<br>-25<br>+55<br>-40<br>+70<br>IP65<br>IP20               |
| Ambient conditions Temperature  Resistance & Protections Frontal IP degree Terminals IP degree ETIM classification | for three-phase motor  for single-phase motor  Operating temperature  Storage temperature | 240V<br>480V<br>600V<br>120V<br>240V<br>min<br>max | HP<br>HP<br>HP<br>HP<br>°C<br>°C | 7.5<br>15<br>15<br>1.5<br>3<br>-25<br>+55<br>-40<br>+70<br>IP65<br>IP20<br>EC001029 - |
| Ambient conditions Temperature  Resistance & Protections Frontal IP degree Terminals IP degree                     | for three-phase motor  for single-phase motor  Operating temperature  Storage temperature | 240V<br>480V<br>600V<br>120V<br>240V<br>min<br>max | HP<br>HP<br>HP<br>HP<br>°C<br>°C | 7.5<br>15<br>15<br>1.5<br>3<br>-25<br>+55<br>-40<br>+70<br>IP65<br>IP20               |