

|  |                         |      |          |                      |
|--|-------------------------|------|----------|----------------------|
| Product type designation                               |                         |      |          | GX20                 |
| <b>General characteristics</b>                         |                         |      |          |                      |
| Switching diagram                                      |                         |      |          | 85                   |
| N° of elements   |                         |      |          | 3                    |
| Options  |                         |      |          | Enlarged front plate |
| <b>Contact characteristics</b>                         |                         |      |          |                      |
| Rated insulation voltage Ui                            | IEC/EN                  | V    | 690      |                      |
|  | UL/CSA                  | V    | 600      |                      |
| Rated impulse withstand voltage Uimp                   |                         |      | kV       | 6                    |
| Conventional free air thermal current Ith              | UL/CSA                  | A    | 15       |                      |
| Rated operational voltage                              |                         |      | V        | 440                  |
| Maximum fuse size for short-circuit protection In (gG) | 25kA                    | A    | 16       |                      |
|  | 1s                      | A    | 250      |                      |
| Operational current Ie IEC/EN                          | AC1/AC21A               |      | A        | 20                   |
|  | AC15                    |      | 110V     | A 10                 |
|  |                         |      | 220/230V | A 8                  |
|  |                         |      | 660/690V | A 3.7                |
| Rated operational power in AC                          | Single-phase AC-3       |      | 380/440V | kW 3                 |
|  | Three-phase AC23A       |      | 380/440V | kW 7.5               |
|  | Single-phase AC23A      |      | 380/440V | kW 3.5               |
| Rated operational current in DC                        | DC21A                   |      | 48V      | A 20                 |
|  |                         |      | 60V      | A 20                 |
|  |                         |      | 110V     | A 4                  |
|  |                         |      | 440V     | A 0.25               |
|  | DC23A (poles in series) |      | 24V      | A 20 (1)             |
|  |                         |      | 48V      | A 20 (2)             |
|  |                         |      | 60V      | A 20 (3)             |
|  |                         |      | 110V     | A 10 (3)             |
|  |                         |      | 220V     | A 8 (4)              |
|  | DC13                    |      | 24V      | A 20                 |
|  |                         | 48V  | A 16     |                      |
|  |                         | 60V  | A 12     |                      |
|  |                         | 110V | A 1      |                      |
|  |                         | 220V | A 0.4    |                      |
|  |                         | 440V | A 0.15   |                      |
| <b>Mechanical features</b>                             |                         |      |          |                      |
| Terminals screw  |                         |      |          | M3                   |

|                                       |     |                 |                   |
|---------------------------------------|-----|-----------------|-------------------|
| Tightening torque for terminals max   |     | Nm              | 0.8               |
| Conductor size                        |     |                 |                   |
| AWG - Rigid cable                     |     |                 |                   |
|                                       | min | AWG             | 20                |
|                                       | Max | AWG             | 14                |
| AWG - Flexible cable                  |     |                 |                   |
|                                       | min | AWG             | 20                |
| Conductor size (IEC) - Flexible cable |     |                 |                   |
|                                       | min | mm <sup>2</sup> | 0.5               |
|                                       | Max | mm <sup>2</sup> | 2.5               |
| Conductor size (IEC) - Rigid cable    |     |                 |                   |
|                                       | Max | mm <sup>2</sup> | 2.5               |
| Mechanical life                       |     | cycles          | 5x10 <sup>6</sup> |

**UL technical data**

|  |      |    |      |
|--|------|----|------|
| Motor power for direct-on-line control |      |    |      |
| for three-phase motor                  |      |    |      |
|  | 240V | HP | 3    |
|  | 480V | HP | 5    |
|  | 600V | HP | 5    |
| for single-phase motor                 |      |    |      |
|  | 120V | HP | 0.75 |
|  | 240V | HP | 1.5  |

**Ambient conditions**

|                       |     |    |     |
|-----------------------|-----|----|-----|
| Temperature           |     |    |     |
| Operating temperature |     |    |     |
|                       | min | °C | -25 |
|                       | max | °C | +55 |
| Storage temperature   |     |    |     |
|                       | min | °C | -40 |
|                       | max | °C | +70 |

**Resistance & Protection**

|                     |      |
|---------------------|------|
| Frontal IP degree   | IP65 |
| Terminals IP degree | IP20 |

**ETIM classification**

|          |                                      |
|----------|--------------------------------------|
| ETIM 8.0 | EC001029 - Selector switch, complete |
|----------|--------------------------------------|