



ENERGY AND AUTOMATION

7GN40H92O79

| Product designation   |                  |          | Rotary cam switches |
|---|------------------|----------|---------------------|
| Product type designation  |                  |          | GN40                |
| General characteristics   |                  |          |                     |
| Switching diagram   |                  |          | 92                  |
| N° of elements  |                  |          | 2                   |
| Options   |                  |          | Enlarged plate      |
| Contact characteristics   |                  |          |                     |
| Rated insulation voltage Ui   |                  |          |                     |
|   | IEC/EN           | V        | 690                 |
| De la   | UL/CSA           | V        | 600                 |
| Rated impulse withstand voltage Uimp  |                  | kV       | 6                   |
| Conventional free air thermal current Ith   | IEO/EN           |          | 40                  |
|   | IEC/EN<br>UL/CSA | A        | 40                  |
| Dated aparational valtage   | UL/CSA           | A<br>V   | 50                  |
| Rated operational voltage  Maximum fuse size for short-circuit protection In (gG) |                  | V        | 480                 |
| maximum ruse size for short-direut protection in (90)                             | 25kA             | Α        | 40                  |
|   | 25KA<br>50kA     | A        | 40                  |
|   | 63kA             | A        | 40                  |
| Rated short time current lcw  | 00101            |          | 40                  |
| rated enorthme earlier tow  | 60s              | Α        | 1000                |
| Operational current le IEC/EN   |                  |          | 1000                |
| AC1/AC21A   |                  |          |                     |
|   |                  | Α        | 40                  |
| AC15  |                  |          |                     |
|   | 110V             | Α        | 25                  |
|   | 220/230V         | Α        | 22                  |
|   | 380/400V         | Α        | 12                  |
|   | 660/690V         | Α        | 2                   |
| Rated operational power in AC   |                  |          |                     |
| Three-phase AC-3  |                  |          |                     |
|   | 220/230V         | kW       | 8                   |
|   | 380/440V         | kW       | 15                  |
|   | 500/690V         | kW       | 15                  |
| Single-phase AC-3   |                  |          |                     |
|   | 110V             | kW       | 3                   |
|   | 220/230V         | kW       | 6.5                 |
| T   | 380/440V         | kW       | 8                   |
| Three-phase AC23A   | 000/000/         | 1-147    | 0                   |
|   | 220/230V         | kW       | 8                   |
|   | 380/440V         | kW<br>kW | 18.5                |
| Single-phase AC23A  | 500/690V         | r. v v   | 22                  |
| Siffyle-priase ACZSA  | 110V             | kW       | 3                   |
|   | 220/230V         | kW       | 6                   |
|   | 380/440V         | kW       | 11                  |
| Rated operational current in DC   | 000/TT0 V        |          |                     |
| DC21A   |                  |          |                     |
| 502111  | 48V              | Α        | 40                  |
|   | 60V              | Α        | 40                  |
|   | 110V             | A        | 6                   |
|   |                  |          |                     |





|                          | DC23A (poles in series)               |       |        |                   |
|--------------------------|---------------------------------------|-------|--------|-------------------|
|                          |                                       | 24V   | Α      | 40 (1)            |
|                          |                                       | 48V   | Α      | 40 (2)            |
|                          |                                       | 60V   | Α      | 40 (3)            |
|                          |                                       | 110V  | Α      | 20 (3)            |
|                          |                                       | 220V  | Α      | 12 (4)            |
|                          | DC13                                  | 2201  | - ' '  | ( .)              |
|                          | D010                                  | 24V   | Α      | 40                |
|                          |                                       | 48V   |        |                   |
|                          |                                       |       | A      | 32                |
|                          |                                       | 60V   | A      | 16                |
|                          |                                       | 110V  | Α      | 3                 |
| Mechanical features      |                                       |       |        |                   |
| Terminals screw          |                                       |       |        | M4                |
| Tightening torque for to | erminals max                          |       | Nm     | 1.2               |
| Conductor size           |                                       |       |        |                   |
|                          | AWG - Rigid cable                     |       |        |                   |
|                          | •                                     | min   | AWG    | 16                |
|                          |                                       | Max   | AWG    | 8                 |
|                          | AWG - Flexible cable                  | IVICA | 7,,,,  |                   |
|                          | AWO - I lexible cable                 | min   | AWG    | 16                |
|                          |                                       |       | AWG    |                   |
|                          | O I (150)   51, 11,                   | Max   | AWG    | 10                |
|                          | Conductor size (IEC) - Flexible cable |       | 2      |                   |
|                          |                                       | 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> |
| UL technical data        |                                       |       |        |                   |
| Motor power for direct   | -on-line control                      |       |        |                   |
| '                        | for three-phase motor                 |       |        |                   |
|                          | Tor times prince meter                | 480V  | HP     | 20                |
| Ambient conditions       |                                       | 1001  |        | 20                |
| Temperature              |                                       |       |        |                   |
| remperatule              | Operating temperature                 |       |        |                   |
|                          | Operating temperature                 |       | 0.0    | 0.5               |
|                          |                                       | min   | °C     | -25               |
|                          |                                       | max   | °C     | +55               |
|                          | Storage temperature                   |       |        |                   |
|                          |                                       | min   | °C     | -40               |
|                          |                                       | max   | °C     | +70               |
| Resistance & Protection  | on                                    |       |        |                   |
| Frontal IP degree        |                                       |       |        | IP40              |
| Terminals IP degree      |                                       |       |        | IP00              |
| ETIM classification      |                                       |       |        |                   |
| = PIW Gladollidation     |                                       |       |        | EC001029 -        |
| ETIM 8.0                 |                                       |       |        | Selector switch,  |
| L I IIVI O.O             |                                       |       |        | complete          |
|                          |                                       |       |        | complete          |