



## ROTARY CAM SWITCH GX SERIES, AMMETER SWITCH 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

| Product designation   |                      |          | Rotary cam                         |
|---|----------------------|----------|------------------------------------|
|   |                      |          | switches                           |
| Product type designation  General characteristics                               |                      |          | GX20                               |
|   |                      |          | 98 - Ammeter                       |
| Switching diagram   |                      |          | switch                             |
| N° of elements  |                      |          | 3                                  |
|   |                      |          | O48 - Modular<br>service cover for |
| Mounting form   |                      |          | 35mm din rail                      |
| Wildernaming Torrit   |                      |          | mounting with                      |
|   |                      |          | black handle                       |
| Contact characteristics   |                      |          |                                    |
| Rated insulation voltage Ui   |                      |          |                                    |
|   | IEC/EN               | V        | 690                                |
| Detect inspulse with stead walters I lines                                      | UL/CSA               | V<br>kV  | 600                                |
| Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith |                      | KV       | 6                                  |
| Conventional nee all inemial culteri illi                                       | IEC/EN               | Α        | 20                                 |
|   | UL/CSA               | A        | 15                                 |
| Rated operational voltage   |                      | V        | 440                                |
| Rated operational impulse voltage   |                      | kV       | 4                                  |
| Maximum fuse size for short-circuit protection In (gG)                          |                      |          |                                    |
|   | 10kA                 | Α        | 20                                 |
|   | 15kA                 | Α        | 20                                 |
|   | 25kA                 | Α        | 20                                 |
| Rated short time current Icw  |                      |          |                                    |
| Conducation it.   | 1s                   | Α        | 250                                |
| Conductivity  Operational current to IEC/EN                                     |                      |          | 10/5 mA/V                          |
| Operational current le IEC/EN AC1/AC21A   |                      |          |                                    |
| ACTACZIA  |                      | Α        | 20                                 |
| AC15  |                      |          |                                    |
|   | 110V                 | Α        | 10                                 |
|   | 220/230V             | Α        | 8                                  |
|   | 380/400V             | Α        | 6                                  |
|   | 660/690V             | Α        | 1.5                                |
| Rated operational power in AC   |                      |          |                                    |
| Three-phase AC-3  | 000/000              | 1300     | 0.7                                |
|   | 220/230V             | kW       | 3.7                                |
|   | 380/440V<br>500/690V | kW<br>kW | 5.5<br>5.5                         |
| Single-phase AC-3   | 300/090 V            | KVV      | <u> </u>                           |
| Single phase AS 3   | 110V                 | kW       | 0.75                               |
|   | 220/230V             | kW       | 1.8                                |
|   | 380/440V             | kW       | 3                                  |
| Three-phase AC23A   |                      |          |                                    |
|   | 220/230V             | kW       | 4                                  |
|   | 380/440V             | kW       | 7.5                                |
|   | 500/690V             | kW       | 7.5                                |
| Single-phase AC23A  | 440)                 | 1.147    | 0.75                               |
|   | 110V<br>220/230V     | kW<br>kW | 0.75<br>2.2                        |
|   | ZZU/Z3UV             | ĸνν      | ۷.۷                                |



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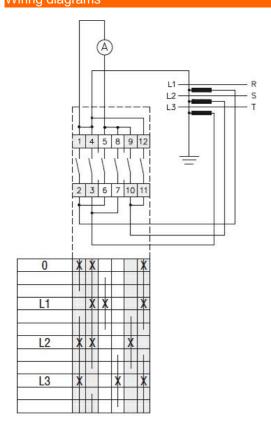
|   |   | 380/440V             | kW                   | 3.5                 |
|---|---|----------------------|----------------------|---------------------|
| Rated operational cur   |   |                      |                      |                     |
|   | DC21A   | 401/                 | ۸                    | 00                  |
|   |   | 48V                  | A                    | 20                  |
|   |   | 60V<br>110V          | A<br>A               | 20<br>4             |
|   |   | 220V                 | A                    | 0.6                 |
|   |   | 440V                 | A                    | 0.25                |
|   | DC23A (poles in series)                       | 440 V                |                      | 0.23                |
|   | DOZOA (poles in series)                       | 24V                  | Α                    | 20 (1)              |
|   |   | 48V                  | A                    | 20 (2)              |
|   |   | 60V                  | A                    | 20 (3)              |
|   |   | 110V                 | Α                    | 10 (3)              |
|   |   | 220V                 | Α                    | 8 (4)               |
|   | DC13  |                      |                      | 3 (1)               |
|   | 2010  | 24V                  | Α                    | 20                  |
|   |   | 48V                  | Α                    | 16                  |
|   |   | 60V                  | Α                    | 12                  |
|   |   | 110V                 | Α                    | 1                   |
|   |   | 220V                 | Α                    | 0.4                 |
|   |   | 440V                 | Α                    | 0.15                |
| Power dissipation   |   |                      | W                    | 0.6                 |
| Mechanical features   |   |                      |                      |                     |
| Terminals screw   |   |                      |                      | M3                  |
| Fightening torque for   | terminals max                                 |                      | Nm                   | 0.8                 |
| Conductor size  |   |                      |                      |                     |
|   | AWG - Rigid cable                             |                      |                      |                     |
|   | •   | min                  | AWG                  | 20                  |
|   |   | Max                  | AWG                  | 12                  |
|   | AWG - Flexible cable                          |                      |                      |                     |
|   |   | min                  | AWG                  | 20                  |
|   |   | Max                  | AWG                  | 12                  |
|   | Conductor size (IEC) - Flexible cable         |                      |                      |                     |
|   |   | min                  | mm²                  | 0.5                 |
|   |   | Max                  | mm²                  | 2.5                 |
|   | Conductor size (IEC) - Rigid cable            |                      |                      |                     |
|   |   | min                  | mm²                  | 0.5                 |
|   |   | Max                  | mm²                  | 2.5                 |
|   |   | ·                    | cycles               | 1X10 <sup>6</sup>   |
|   |   |                      | ,                    |                     |
| JL technical data   |   |                      | ,                    |                     |
| JL technical data   | t-on-line control                             |                      |                      |                     |
| JL technical data   | t-on-line control<br>for three-phase motor    |                      |                      |                     |
| JL technical data   |   | 120V                 | HP                   | 1.5                 |
| JL technical data   |   | 240V                 | HP<br>HP             | 3                   |
| JL technical data   |   | 240V<br>480V         | HP<br>HP<br>HP       | 3<br>5              |
| JL technical data   | for three-phase motor                         | 240V                 | HP<br>HP             | 3                   |
| JL technical data   |   | 240V<br>480V<br>600V | HP<br>HP<br>HP       | 3<br>5<br>5         |
| Mechanical life  JL technical data  Motor power for direc     | for three-phase motor                         | 240V<br>480V<br>600V | HP<br>HP<br>HP<br>HP | 3<br>5<br>5<br>0.75 |
| JL technical data<br>Motor power for direc                    | for three-phase motor                         | 240V<br>480V<br>600V | HP<br>HP<br>HP       | 3<br>5<br>5         |
| JL technical data Motor power for direc                       | for three-phase motor                         | 240V<br>480V<br>600V | HP<br>HP<br>HP<br>HP | 3<br>5<br>5<br>0.75 |
| JL technical data   | for three-phase motor                         | 240V<br>480V<br>600V | HP<br>HP<br>HP<br>HP | 3<br>5<br>5<br>0.75 |
| JL technical data  Motor power for direct  Ambient conditions | for three-phase motor                         | 240V<br>480V<br>600V | HP<br>HP<br>HP<br>HP | 3<br>5<br>5<br>0.75 |
| JL technical data  Motor power for direct  Ambient conditions | for three-phase motor  for single-phase motor | 240V<br>480V<br>600V | HP<br>HP<br>HP<br>HP | 3<br>5<br>5<br>0.75 |





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| Storage temperature     |     |    |      |  |
|-------------------------|-----|----|------|--|
|                         | min | °C | -40  |  |
|                         | max | °C | +70  |  |
| Resistance & Protection |     |    |      |  |
| Frontal IP degree       |     |    | IP65 |  |
| Terminals IP degree     |     |    | IP20 |  |
| Dimensions              |     |    |      |  |
| Wiring diagrams         |     |    |      |  |



## Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

UL60947-4-1

Certificates

cULus

EAC

ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete