

| | | | | |
|---|----------------------|-----|----------|---------------------------------------|
| Product designation | | | | Enclosed rotary cam switch |
| Product type designation | | | | GN315 |
| General characteristics | | | | |
| Switching diagram | | | | 85 - Multi-step 1-2-3-4-6 1 pole |
| N° of elements | | | | 3 |
| Mounting form | | | | L - Metal enclosure with black handle |
| Contact characteristics | | | | |
| Rated insulation voltage U_i | IEC/EN | V | 690 | |
| | UL/CSA | V | 600 | |
| Rated impulse withstand voltage U_{imp} | | kV | 8 | |
| Conventional free air thermal current I_{th} | IEC/EN | A | 315 | |
| | UL/CSA | A | 255 | |
| Rated operational voltage | | V | 690 | |
| Rated operational impulse voltage | | kV | 6 | |
| Maximum fuse size for short-circuit protection I_n (gG) | 10kA | A | 315 | |
| | 15kA | A | 315 | |
| Rated short time current I_{cw} | 1s | A | 5200 | |
| Operational current I_e IEC/EN AC1/AC21A | | A | 315 | |
| Rated operational power in AC Three-phase AC-3 | 220/230V | kW | 37 | |
| | 380/440V | kW | 55 | |
| | 500/690V | kW | 69 | |
| Single-phase AC-3 | 110V | kW | 11 | |
| | 220/230V | kW | 22 | |
| | 380/440V | kW | 30 | |
| Rated operational current in DC DC21A | 48V | A | 200 | |
| | 60V | A | 200 | |
| | 110V | A | 35 | |
| | 220V | A | 2.5 | |
| | 440V | A | 0.9 | |
| Power dissipation | | W | 64.5 | |
| Mechanical features | | | | |
| Terminals screw | | | | M10 |
| Tightening torque for terminals max | | | | Nm 10 |
| Conductor size | AWG - Rigid cable | | | |
| | Max | AWG | 1XMCM350 | |
| | AWG - Flexible cable | | | |
| | Max | AWG | 1XMCM350 | |

| | | | |
|---------------------------------------|-----|-----------------|-------|
| Conductor size (IEC) - Flexible cable | Max | mm ² | 1X185 |
|---------------------------------------|-----|-----------------|-------|

| | | | |
|------------------------------------|-----|-----------------|-------|
| Conductor size (IEC) - Rigid cable | Max | mm ² | 1X185 |
|------------------------------------|-----|-----------------|-------|

| | | | |
|-----------------|--|--------|-------------------|
| Mechanical life | | cycles | 2X10 ⁵ |
|-----------------|--|--------|-------------------|

UL technical data

| | | | |
|---|------|----|-----|
| Motor power for direct-on-line control for three-phase motor | 120V | HP | 30 |
| | 240V | HP | 50 |
| | 480V | HP | 100 |
| | 600V | HP | 75 |

| | | | |
|------------------------|------|----|----|
| for single-phase motor | 120V | HP | 15 |
| | 240V | HP | 30 |

Ambient conditions

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

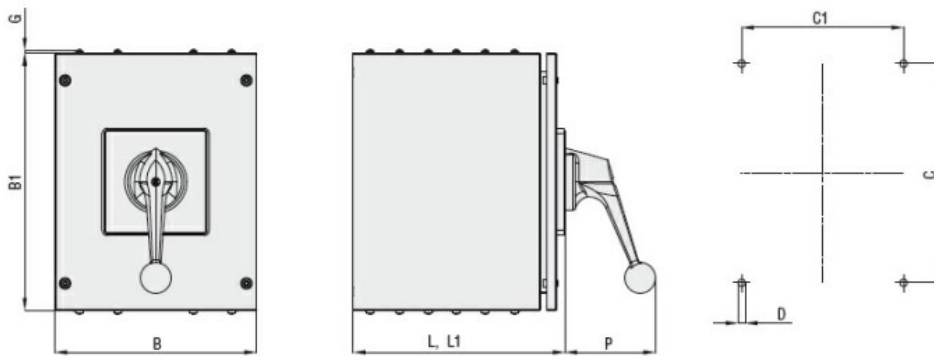
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|---------------------|-----|----|-----|
| Storage temperature | min | °C | -40 |
| | max | °C | +70 |

Resistance & Protection

| | |
|-------------------|------|
| Frontal IP degree | IP54 |
|-------------------|------|

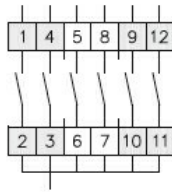
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|---------------------|------|
| Terminals IP degree | IP00 |
|---------------------|------|

Dimensions



| Series | Enclosure size | Number of elements | | Dimensions | | | | | | | | | Protection degree |
|--------|----------------|--------------------|-------|------------|-----|-----|-----|-----|-----|---|-----|----|-------------------|
| | | L | L1 | L | L1 | B | B1 | C | C1 | D | G | P | |
| GN200 | 250x316 | 1 - 3 | 4 - 6 | 162 | 252 | 250 | 316 | 270 | 200 | 9 | 4.5 | 98 | IP54 |
| GN315 | | 1 - 3 | 4 - 6 | 162 | 252 | 250 | 316 | 270 | 200 | 9 | 4.5 | 98 | IP54 |

Wiring diagrams



| | | | | | |
|---|---|---|---|---|---|
| 1 | X | | | | |
| 2 | | | X | | |
| 3 | | | | | X |
| 4 | | X | | | |
| 5 | | | | X | |
| 6 | | | | | X |

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Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete