

|                                                     |  |  |                          |                      |
|-----------------------------------------------------|--|--|--------------------------|----------------------|
| Product designation                                 |  |  | Auxiliary contactor BG00 |                      |
| Product type designation                            |  |  |                          |                      |
| Contact characteristics                             |  |  |                          |                      |
| Number of poles                                     |  |  | Nr.                      | 4                    |
| Rated insulation voltage Ui IEC/EN                  |  |  | V                        | 690                  |
| Rated impulse withstand voltage Uimp                |  |  | kV                       | 6                    |
| Operational frequency                               |  |  | min                      | Hz 25                |
|                                                     |  |  | max                      | Hz 400               |
| IEC Conventional free air thermal current Ith       |  |  | A                        | 10                   |
| Protection fuse                                     |  |  | gG (IEC)                 | A 16                 |
| Tightening torque for terminals                     |  |  | min                      | Nm 0.8               |
|                                                     |  |  | max                      | Nm 1                 |
|                                                     |  |  | min                      | Ibin 0.59            |
|                                                     |  |  | max                      | Ibin 0.74            |
| Tightening torque for coil terminal                 |  |  | min                      | Nm 0.8               |
|                                                     |  |  | max                      | Nm 1                 |
|                                                     |  |  | min                      | Ibin Prodotti finiti |
|                                                     |  |  | max                      | Ibin Prodotti finiti |
| Max number of wires simultaneously connectable      |  |  | Nr.                      | 2                    |
| Conductor section                                   |  |  |                          |                      |
| Flexible w/o lug conductor section                  |  |  | min                      | mm² 0.75             |
|                                                     |  |  | max                      | mm² 2.5              |
| Flexible c/w lug conductor section                  |  |  | min                      | mm² 1.5              |
|                                                     |  |  | max                      | mm² 2.5              |
| Flexible with insulated spade lug conductor section |  |  | min                      | mm² 1.5              |
|                                                     |  |  | max                      | mm² 2.5              |
| Power terminal protection according to IEC/EN 60529 |  |  | IP20 when wired          |                      |
| Mechanical features                                 |  |  |                          |                      |
| Operating position                                  |  |  | normal allowable         | Vertical plan ±30°   |
| Fixing                                              |  |  | Screw / DIN rail 35mm    |                      |
| Weight                                              |  |  | g                        | 214                  |
| Auxiliary contact characteristics                   |  |  |                          |                      |
| Type of contact                                     |  |  | 2 NO + 2 NC              |                      |
| Thermal current Ith                                 |  |  | A                        | 10                   |
| IEC/EN 60947-5-1 designation                        |  |  | A600 - Q600              |                      |
| Operating current AC15                              |  |  | 230V                     | A 3                  |
|                                                     |  |  | 400V                     | A 1.9                |
|                                                     |  |  | 500V                     | A 1.4                |
| Operating current DC12                              |  |  | 110V                     | A 2.9                |
| Operating current DC13                              |  |  |                          |                      |

|      |   |      |
|------|---|------|
| 24V  | A | 2.9  |
| 48V  | A | 1.4  |
| 60V  | A | 1.2  |
| 110V | A | 0.6  |
| 125V | A | 0.55 |
| 220V | A | 0.3  |
| 600V | A | 0.1  |

## Operations

Mechanical life cycles 20000000

## Safety related data

Performance level B10d according to EN/ISO 13489-1

mechanical load cycles 20000000

Mirror contacts according to IEC/EN 60947-4-1 YES

EMC compatibility Yes

## DC coil operating

DC rated control voltage V 125

DC operating voltage

pick-up

|     |     |     |
|-----|-----|-----|
| min | %Us | 75  |
| max | %Us | 115 |

drop-out

|     |     |    |
|-----|-----|----|
| min | %Us | 10 |
| max | %Us | 20 |

Average coil consumption  $\leq 20^{\circ}\text{C}$

|         |   |     |
|---------|---|-----|
| in-rush | W | 3.2 |
| holding | W | 3.2 |

## Max cycles frequency

Mechanical operation cycles/h 3600

## Operating times

Average time for Us control

in AC

Closing NO

|     |    |    |
|-----|----|----|
| min | ms | 12 |
| max | ms | 21 |

Opening NO

|     |    |    |
|-----|----|----|
| min | ms | 9  |
| max | ms | 18 |

Closing NC

|     |    |    |
|-----|----|----|
| min | ms | 17 |
| max | ms | 26 |

Opening NC

|     |    |    |
|-----|----|----|
| min | ms | 7  |
| max | ms | 17 |

in DC

Closing NO

|     |    |    |
|-----|----|----|
| min | ms | 18 |
| max | ms | 25 |

Opening NO

|     |    |   |
|-----|----|---|
| min | ms | 2 |
| max | ms | 3 |

Closing NC

|     |    |   |
|-----|----|---|
| min | ms | 3 |
| max | ms | 5 |

Opening NC

|     |    |    |
|-----|----|----|
| min | ms | 11 |
| max | ms | 17 |

## UL technical data

General USE

Contactor

AC current A 160

Contact rating of auxiliary contacts according to UL A600 - Q600

## Ambient conditions

Temperature

Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -50 |
| max | °C | +70 |

Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -60 |
| max | °C | +80 |

Max altitude m 3000

## Resistance & Protection

Pollution degree 3

## Dimensions

## Wiring diagrams

## Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-5-1

IEC/EN 60947-1

IEC/EN 60947-5-1

UL 60947-1

UL 60947-5-1

Certificates

cULus

EAC

## ETIM classification

ETIM 8.0 EC000196 -  
Contactor relay