



|   |                             |                 |                       |                              |
|---|-----------------------------|-----------------|-----------------------|------------------------------|
| Product designation                                 |                             |                 |                       | Auxiliary contact            |
| Product type designation                            |                             |                 |                       | BFX10                        |
| <b>Contact characteristics</b>                      |                             |                 |                       |                              |
| Number of poles                                     | Nr.                         | 4               |                       |                              |
| Rated insulation voltage $U_i$ IEC/EN               | V                           | 690             |                       |                              |
| Rated impulse withstand voltage $U_{imp}$           | kV                          | 6               |                       |                              |
| IEC Conventional free air thermal current $I_{th}$  | A                           | 10              |                       |                              |
| Tightening torque for terminals                     | min                         | Nm              | 0.8                   |                              |
|   | max                         | Nm              | 1                     |                              |
|   | min                         | lbin            | 7                     |                              |
|   | max                         | lbin            | 9                     |                              |
| Max number of wires simultaneously connectable      | Nr.                         | 2               |                       |                              |
| Conductor section                                   | AWG/Kcmil                   |                 |                       |                              |
|   |                             | max             | 14                    |                              |
| Flexible w/o lug conductor section                  | min                         | mm <sup>2</sup> | 0.75                  |                              |
|   | max                         | mm <sup>2</sup> | 2.5                   |                              |
| Flexible c/w lug conductor section                  | min                         | mm <sup>2</sup> | 0.75                  |                              |
|   | max                         | mm <sup>2</sup> | 2.5                   |                              |
| Flexible with insulated spade lug conductor section | min                         | mm <sup>2</sup> | 0.75                  |                              |
|   | max                         | mm <sup>2</sup> | 2.5                   |                              |
| <b>Mechanical features</b>                          |                             |                 |                       |                              |
| Operating position                                  | normal allowable            |                 | On vertical plane     |                              |
|   |                             |                 | Any                   |                              |
| Fixing  |                             |                 | Front centre mounting |                              |
| Weight  |                             |                 | g                     | 48                           |
| Terminals screw                                     |                             |                 | Screw                 |                              |
| Conductor section                                   | AWG/kcmil conductor section |                 |                       |                              |
|   |                             | max             | 14                    |                              |
| IEC   |                             |                 | max                   | mm <sup>2</sup> 1 or 2 x 2.5 |
|   |                             |                 |                       |                              |
| <b>Auxiliary contact characteristics</b>            |                             |                 |                       |                              |
| Type of contact                                     |                             |                 | 1NO+1NC+1NOEM+1       |                              |
| Thermal current $I_{th}$                            |                             |                 | 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 DC13                              | 24V                         | A               | 3                     |                              |
|   | 48V                         | A               | 1.5                   |                              |

|      |   |      |
|------|---|------|
| 60V  | A | 1.2  |
| 110V | A | 0.6  |
| 125V | A | 0.55 |
| 220V | A | 0.27 |
| 600V | A | 0.1  |

**Electrical characteristics**

|   |           |
|---|-----------|
| Conductivity                            | 5V 10 mA  |
| UL/CSA and IEC/EN 60947-5-1 designation | A600 Q600 |

Operating current AC15

|      |   |     |
|------|---|-----|
| 120V | A | 6   |
| 240V | A | 3   |
| 480V | A | 1.5 |
| 600V | A | 1.2 |

Operating current DC13

|      |   |      |
|------|---|------|
| 12V  | A | 10   |
| 250V | A | 0.27 |
| 440V | A | 0.15 |
| 500V | A | 0.13 |

**Ambient conditions**

Temperature

Operating temperature

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

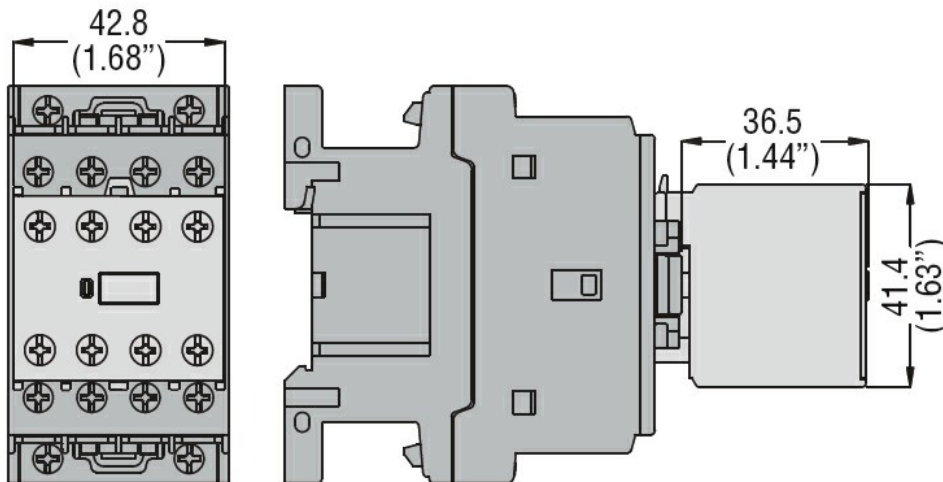
Storage temperature

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

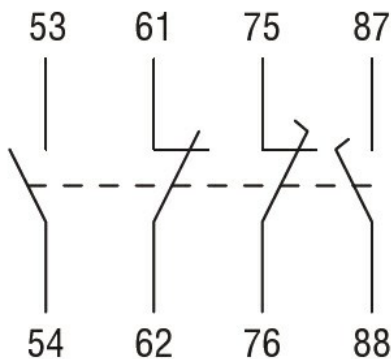
Max altitude

|   |      |
|---|------|
| m | 3000 |
|---|------|

**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

CCC  
cULus  
EAC

ETIM classification

ETIM 8.0

EC000041 -  
Auxiliary contact  
block