

**83880 with cable output Steel metal roller lever (2 directions of attack) Part number 83883103**


- IP 66/67
- Metal case
- cUL approval

**Part numbers**

|                 | Type                                              | Characteristics | Type of output   |
|-----------------|---------------------------------------------------|-----------------|------------------|
| <b>83883103</b> | Steel metal roller lever (2 directions of attack) | Standard        | Cable length 3 m |

**Specifications**

|                                            |                                                                                                                                                                                                  |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conformity to standards                    | IEC / EN 60947.5.1<br>Dimensional conformity : NFC 63145<br>Low voltage directive : 73/23/EEC and 93/68/EEC<br>Electric shock protection : NFC 20030 or IEC 60536 class 1, degree of pollution 3 |
| Protection against electric shocks         |                                                                                                                                                                                                  |
| Degree of protection IEC 60529             |                                                                                                                                                                                                  |
| Degree of protection according to NEMA 250 | Type 1, 3, 4, 6, 13                                                                                                                                                                              |

**Electrical characteristics**

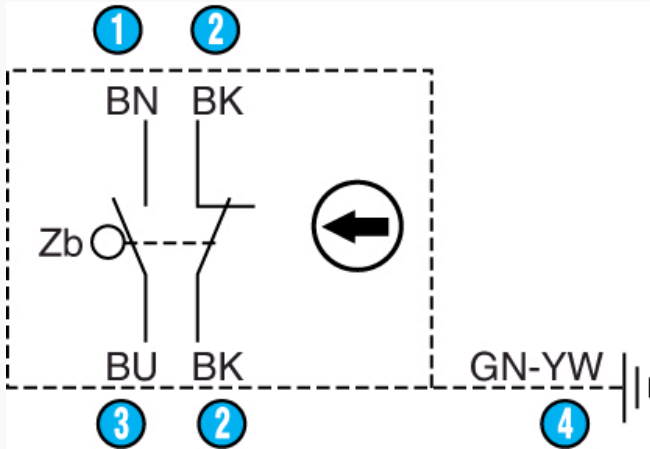
|                                                          |                                                                                         |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Connection                                               |                                                                                         |
| Operating temperature (°C)                               | -25 → +70 °C                                                                            |
| Assigned impulse voltage (Uimp) - V                      | 2500                                                                                    |
| Assigned insulation voltage Ui (V)                       | 500                                                                                     |
| Thermal current I (A)                                    | 10                                                                                      |
| Low-load switching - Minimum voltage (V)                 | 10                                                                                      |
| Low-load switching - Minimum current (mA)                | 100                                                                                     |
| Assigned working characteristics (EN 60 947.5.1, UL 508) | A300 = AC15 250 V 6 A<br>Q150 = DC13 24 V 8 A                                           |
| Use category according to IEC 947.5.1                    | AC15=250 V/6 A<br>DC13=24 V/8 A                                                         |
| Use category according to UL 508                         | A300 - Q150                                                                             |
| Electrical protection                                    | Integral earth wire<br>Short-circuit protection device : IEC/EN 60947.5.1<br>Fuse 6 AgC |
| Approvals                                                | UL 508, UL 50                                                                           |

**Mechanical characteristics**

|                                          |                    |
|------------------------------------------|--------------------|
| Sequence<br>Snap action                  |                    |
| Minimum operating force (N)              | -                  |
| Minimum operating force (Nm)             | 0,15               |
| Minimum total travel force (N)           | -                  |
| Minimum total travel force (Nm)          | 0,35               |
| Min. positive opening travel (N)         | -                  |
| Min. positive opening travel (Nm)        | 0,15               |
| Mechanical life (millions of operations) | 10                 |
| Vertical approach speed                  | 1 mm/min → 0,5 m/s |

|                                     |     |
|-------------------------------------|-----|
| Horizontal approach speed (30° cam) | -   |
| Weight (g)                          | 230 |

Principles



Function

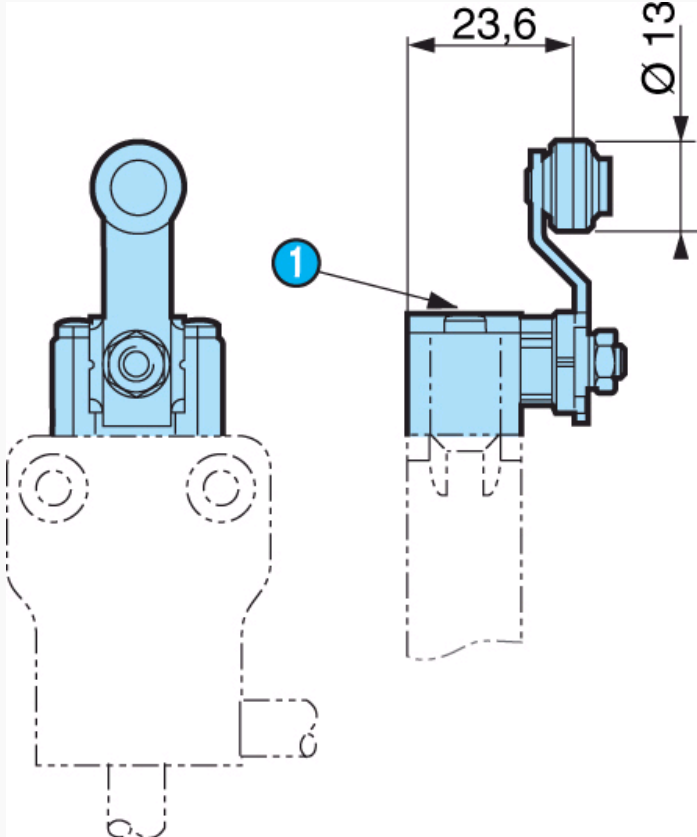
Four-terminal double break two-way contact element (form Zb) with positive opening NC contacts. The 2 moving contacts are electrically isolated from one another.

| N° | Legend       |
|----|--------------|
| 1  | Brown        |
| 2  | Black        |
| 3  | Blue         |
| 4  | Green-yellow |

Dimensions (mm)

Product

83 883 1



83 883 0

| N°                                                                               | Legend      |
|----------------------------------------------------------------------------------|-------------|
|  | POP marking |

**Product adaptations**

- Contact type
- Rear output
- Protective scraper seal
- Length of cable/connector/stripping
- Connector output
- Low level contact

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