

83870 with connector output Steel metal roller lever (2 directions of attack) Part number 83873140



- IP 66/67
- Metal case
- cUL approval

## Part numbers

| Type       | Characteristics                                   | Type of output     |
|------------|---|--------------------|
| 83 873 140 | Steel metal roller lever (2 directions of attack) | 4-pin<br>Connector |

## Specifications

|  |  |
|--|--|
| Conformity to standards                    |  |
| Protection against electric shocks         |  |
| Degree of protection IEC 60529             |  |
| Degree of protection according to NEMA 250 |  |

## Electrical characteristics

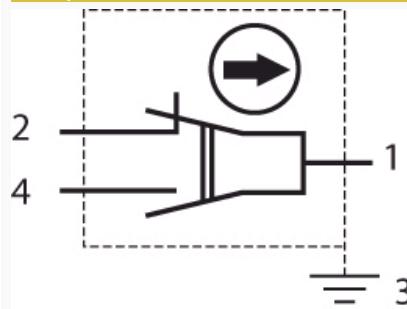
|  |  |
|--|--|
| Connection   |  |
| Operating temperature (°C)                               | -25 → +70 °C   |
| Assigned impulse voltage (Uimp) - V                      | 2500 (5-pin : 1500)  |
| Assigned insulation voltage Ui (V)                       | 250 (5-pin : 60)   |
| Thermal current I (A)                                    | 4  |
| Low-load switching - Minimum voltage (V)                 | 10   |
| Low-load switching - Minimum current (mA)                | 100  |
| Assigned working characteristics (EN 60 947-5.1, UL 508) | C 300/Ie = 4 A max/Ue = 250 V max (5-pin : Ie = 4 A max - Ue = 48 V max)<br>Q 150                        |
| Electrical life according to IEC 947-5-1 appendix C      | 250 V 2.5 A AC15 500,000 operations<br>24 V 8 W DC13 500,000 operations                                  |
| Electrical protection                                    | Integral protective earth conductor<br>Short-circuit protection device : IEC/EN 60947.5.1<br>Fuse 2 A gC |
| Approvals  | UL 508 (4 pins C300 - Q 150), (5 pins 48 VAC/DC 4 A)   |

## Mechanical characteristics

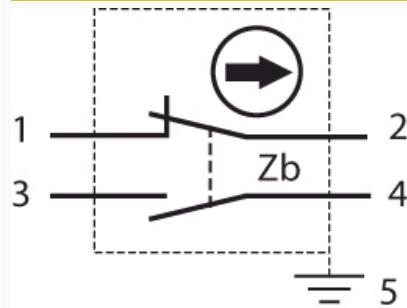
|  |                    |
|--|--------------------|
| Sequence                                 | 1-2 (1-2)          |
| Snap action                              | 1-4 (3-4)          |
| PRP                                      | 0°                 |
| PA                                       | 27°                |
| POP                                      | 58°                |
| PFC                                      | 69°                |
| CD                                       | 14°                |
| Minimum operating force (Nm)             | 15                 |
| Minimum total travel force (cmN)         | 35                 |
| Min. positive opening travel (N)         | 15                 |
| Mechanical life (millions of operations) | 10                 |
| Vertical approach speed                  | -                  |
| Horizontal approach speed (30° cam)      | 1 mm/min → 1,5 m/s |
| Weight (g)                               | 130                |

**Comments**

4-pin : 1-2 / 1-4  
5-pin : (1-2) / (3-4)

**Principles****Function**

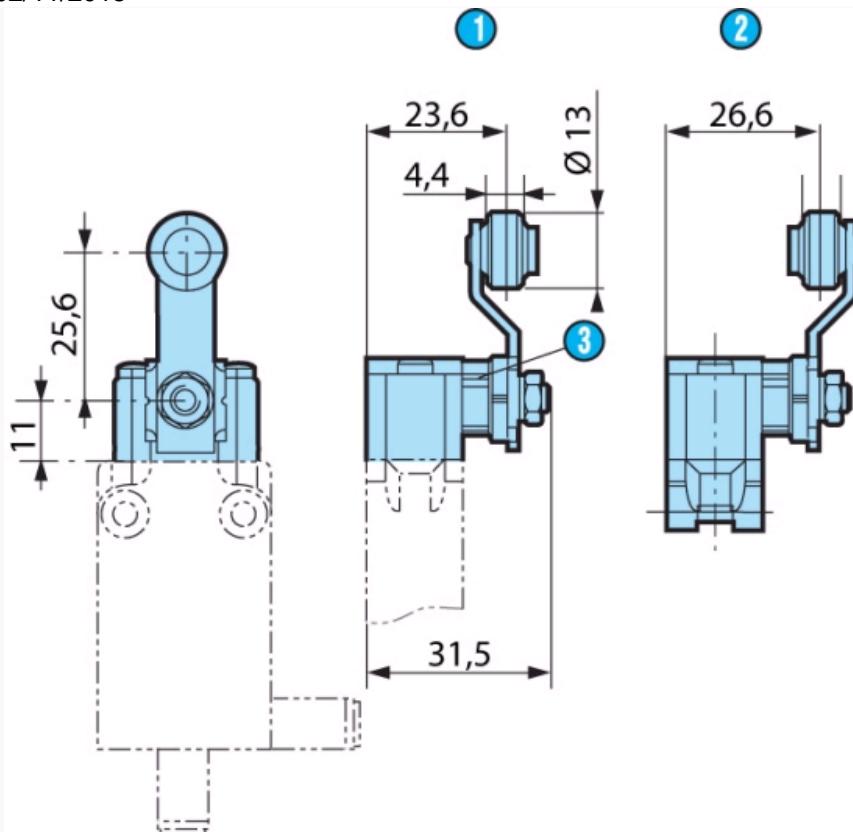
Four-terminal double break two-way contact element (form Zb) with positive opening NC contacts. The 2 moving contacts are electrically isolated from one another (5-pin version).

**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 (5-pin version).

**Dimensions (mm)****Product**

83 873 1



| Nº | Legend                |
|----|-----------------------|
| 1  | Offset A              |
| 2  | Offset B (by request) |
| 3  | POP marking           |

#### Other information

For other accessories and special contacts, or special modes of operation : please consult us.

#### Product adaptations



- Contact type
- Rear output
- Protective scraper seal
- Cable length

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