

Precision limit switch

→ Series 83 731/83 732/83 733

■ Adjustable threaded barrel fixing



Main specifications

| | Top-mounted plunger | Top-mounted plunger with roller | Top-mounted plunger |
|--|---------------------|---------------------------------|---------------------|
| | 83 731 3 | 83 732 3 | 83 733 3 |
| Version | | | |
| Single-pole | | | |
| General characteristics | | | |
| Minimum operating force (N) | 15 | 15 | 6 |
| Minimum total travel force (N) | 35 | 35 | 25 |
| Differential travel (mm) | 2 | 2 | 1.5 |
| Minimum operating travel (mm) | 0.2 | 0.2 | 0.2 |
| Maximum total travel (mm) | 6 | 6 | 4 |
| Mechanical life (millions of operations) mini. | 10 ⁶ | 10 ⁶ | 10 ⁶ |
| Operating temperature (°C) | -5 → +70 | -5 → +70 | -5 → +70 |
| Protection °C | IP66 | IP56 | IP56 |
| Weight (g) | 110 | 120 | 70 |

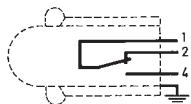
General characteristics

| | |
|-----------------------------------|---|
| Conformity to standards | NFC 20030 : Class I (the plunger is operated manually by an earthed metal part or by an insulated part which provides additional insulation). |
| Protection | IP 56 - IP 66 depending on type |
| Version | Single-pole |
| Function | 3-terminal single break two-way contact element (form C : changeover) |
| Electrical characteristics | |
| Assigned operating current (Ie) | 5 A / 250 V |
| Thermal current (Ith) A | 12 |
| Connections | |
| Cable | PVC (A05 - VV - F) , length 0.50 m 3 conductors cross-section 0.75 mm ² Sheathed ext. Ø : 7.6 mm |
| Electrical protection | Earthing terminal for version 83 731 and 83 732 |
| Approvals | - |

Principles

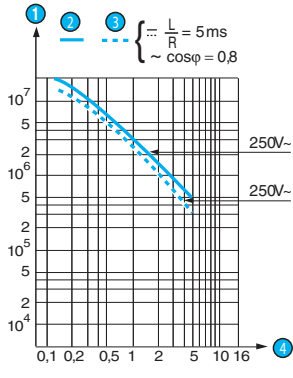
Function

3-terminal single break two-way contact element (form C : changeover).



- ① Black (common)
- ② Brown (NC)
- ④ Blue (NO)

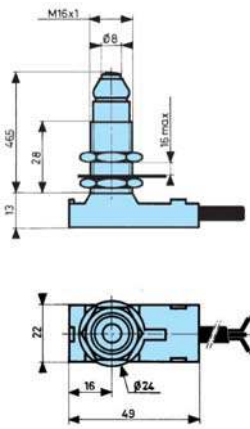
Curves



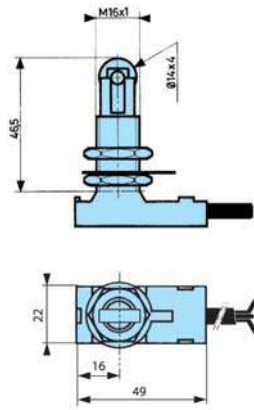
Dimensions

→ Product

83 731 3



83 732 3



83 733 3

