

DZ Sub miniature Switch with Positive Break Action

The new switch with Positive Break Action contact system has been developed especially for the requirements of electrical drives for sun-blinds. Further possible applications for the DZ-switch are linear drives for adjustable hospital and home device and direct drives for engines. The "Positive Break Action" came into operation when the contact is welded or clotted and the operating force is insufficient to open the contact.



Advantages

- The switch is especially designed for drives for sun-blinds with a positive break action contact system
- Switching high inductive loads 3 (3) A 250 V ~ 5E4
- Cadmium-free contact material according to RohS directive for the European and US market
- The DZ switch is compliant according to EN 60335-1, resistance against heat and fire
- Approved according to ENEC and UL
- Fully automated assembly of DZ \Rightarrow High level of quality

Possible fields of applications for DZ-switches

- Electrical drives for sun-blinds
- Drives for adjustable beds and armchairs (hospital and home device)
- Drives for adjustable (office) desks
- Drives for automatic doors and gates
- Auxiliary switches for medium-voltage systems
- Limit switches and controller for industrial automation
- Limit switches for material-handling equipment and cranes

Technical requirements

Function:	S.P.S.T. – NC S.P.D.T. – NC/NO
Approvals:	Europe 3(3)A 250V~ 5E4 cULus 5A 125VAC
Contact resistance:	< 100mΩ between 100mA / 10VDC
Temperature range:	-20°C to 85°C
Operating force:	max. 220 cN
Reset force:	min. 60 cN
Rest position:	max. 9.3 mm
Operating point:	8.4 +0.3/-0.2 mm
Movement differential:	0.01 – 0.15 mm
Pretravel:	0.4 – 1.0 mm
Overtravel:	0.6 – 1.4 mm