

Sub-Subminiature Switch



DJ series

Features

- Sealed switch up to protection IP67, suitable for actuations at angles up to 40° depending on slide partner material, etc.
- Easy installation thanks to connector pins or fastening slot
- Smallest dimensions
- Models available for up to 85 °C operating temperature
- Nominal currents 5 mA to 2 A at 12 V DC
- High contact stability with AuAg crosspoint contacts
- Mechanical operating life min. 500,000 operations
- Many connection possibilities, also with leads

Standard parts

For specific part numbers, please contact the factory: switches-sensors@zf.com

Order Code Matrix

DJ	1		G		- AN		A0
switch-type	electr.rating (ohmic load)		contact configuration		terminals and location posts		auxiliary actuator
DJ	1 =	0,010 /2A 12 VDC	G=	single pole double throw	AN =	solder terminals, straight 2,5 x 0,5 without posts	A0= without auxiliary actuator
			E=	single pole single throw normally open	AR =	solder terminals, straight 2,5 x 0,5 right hand posts	
			F=	single pole single throw normally closed	AL =	solder terminals, straight 2,5 x 0,5 left hand posts	
					BN =	PCB terminals, straight 0,6 x 0,5 without posts	
					BR =	PCB terminals, straight 0,6 x 0,5 right hand posts	
					BL =	PCB terminals, straight 0,6 x 0,5 left hand posts	

Electrical rating

Code	Rating	Electrical life
1	0.005 – 2 A DC, 12 V	min. 100,000 operations

Environmental and Mechanical Specifications

Operating force	max. 120 cN
Mechanical life	Min. 500,000 operations
Temperature range	-40 to +85 °C
Protection class	IP67

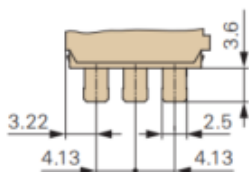
Material Specifications

Base	PBT/PES
Cover	PBT + ASA + PET
Actuator	POM
Sealing gasket	VMQ
Terminals	CuZn silver-plated
Contacts	AuAg (crosspoint)

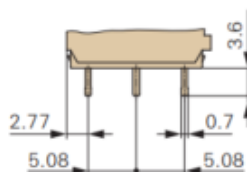
Dimensions in mm

Terminals

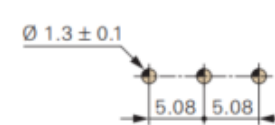
Solder terminal
2.5 x 0.5 mm



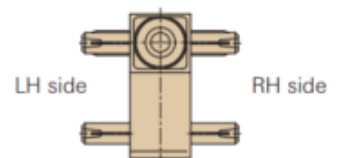
PCB terminal, straight
0.7 x 0.5 mm



Drilling pattern for PCB
terminal 0.7 x 0.5 mm

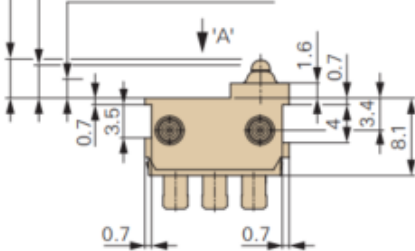


Side definition



Dimensions in mm

Rest position max. 4.1
Operating point 3.45 ± 0.2
End position min. 2.05



Dimensions in mm

View 'A'

