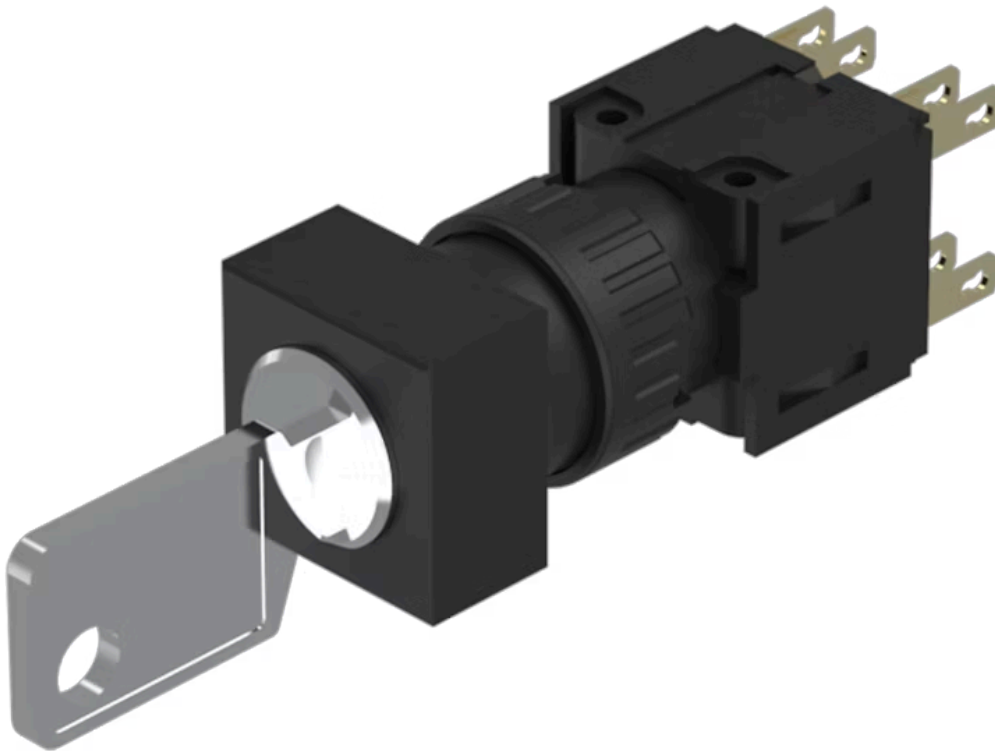


Actuator

51-
381.F22DF

Distribution by
DigiKey

DigiKey



<https://digikey.eao.com/p/51-381.F22DF>

Your product:



51-381.F22DF Actuator

FRONT

Front dimension: 18 mm x 18 mm

MOUNTING

Mounting cut-out: 21 mm x 21 mm

Design: flush

ELECTRICAL CHARACTERISTICS

Thermal current I_{th}: 5 A, according to EN / IEC 60947-5-1

Protection class: II

Electric strength: 2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

Switching voltage and switching current: 250 VAC, 5 A ($\cos\phi$ 0.75)

Contacts: 2 NC / 2 NO

Electrostatic discharge (ESD): ≤ 15 KV

MECHANICAL CHARACTERISTIC

Switching action: Maintained - Rest (a) - Maintained

Terminal: Plug-in terminal, 2.8 x 0.5 mm

Mechanical lifetime: 50 000 cycles of operation

Switching system: Self-cleaning, double-break snap action switching system, 2 normally closed and 2 normally open contact per element.

Switching system: Snap-action switching element

Weight: 0.027 kg

Switching positions:	3 positions
Switching angle:	90° left / 90° right
Tightening torque:	Fixing nut max. 0.5 Nm
Contact material:	Gold
Wire cross section:	Max. wire cross-section 2 wires with 1 mm Max. wire cross-section of stranded cable 2 x 0.75 mm ²

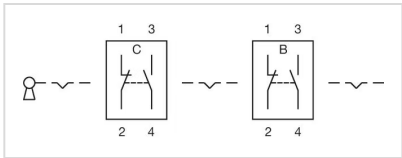
AMBIENT CONDITION

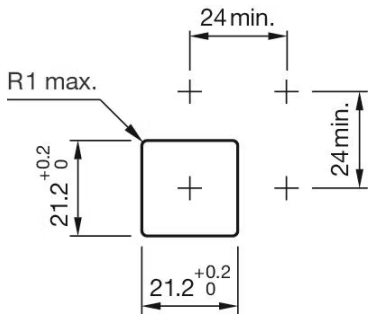
Storage temperature:	– 40 °C ... + 85 °C
Operating temperature:	– 25 °C ... + 55 °C
IP front protection:	IP65, according to DIN EN 60529

CERTIFICATE

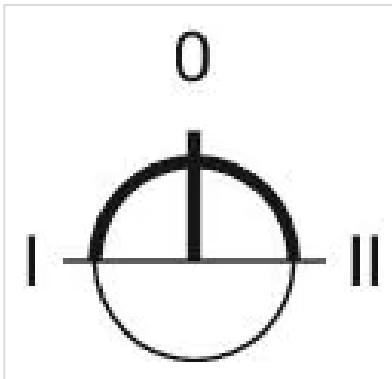
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)
Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL

OTHER

max. number of switching elements:	1
Short Description:	Actuator, 21 mm x 21 mm, 18 mm x 18 mm, 2 NC / 2 NO, Maintained - Rest (a) - Maintained, Plug-in terminal, 2.8 x 0.5 mm, IP65, according to DIN EN 60529
Housing colour:	Black
Hints:	Standard lock: DOM 311
Wiring diagrams:	 The diagram shows two switch configurations, C and B, connected to a power source and a load. Configuration C shows a switch with terminals 1, 3, 2, and 4. Configuration B shows a switch with terminals 1, 3, 2, and 4. The power source is connected to terminal 1, and the load is connected to terminal 3. The switches are connected in series.
Mounting cut-outs:	



Switching positions:



Dimension drawings:

