

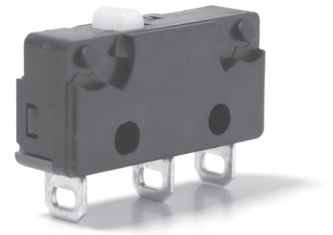
X4

Snap-action Microswitches

Subminiature

X4

Characteristics	■ Thermoplastic housing
Rating	250 VAC, 12 A
Dimensions (mm)	19,9 × 9,65 × 6,4
Actuator	Plain levers, simulated roller levers, roller levers
Approvals	UL, cUL, CSA, ENEC, CQC



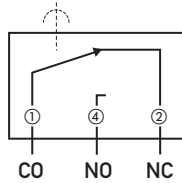
Preferred Range

Ordering Reference	Actuating Force		Operating pos. (mm)	Terminal	Circuit	Actuator	Contacts	Electrical rating	
	(N)	(ozf)						ENEC	UL/CSA
X4F303K1AA	3,3	11,869	8,4	Solder	CO	Plunger	Silver	12 (6) A	12 A
X4F305K1AA	3,3	11,869	8,4	Faston	CO	Plunger	Silver	12 (6) A	12 A
X4G303K1BB	2	7,193	8,4	Solder	CO	Plunger	Silver	6 (3) A	6 A
X4G305K1BB	2	7,193	8,4	Faston	CO	Plunger	Silver	6 (3) A	6 A
X4C303K1CC	0,75	2,697	8,4	Solder	CO	Plunger	Silver	3 (2) A	3 A
X4C305K1CC	0,75	2,697	8,4	Faston	CO	Plunger	Silver	3 (2) A	3 A

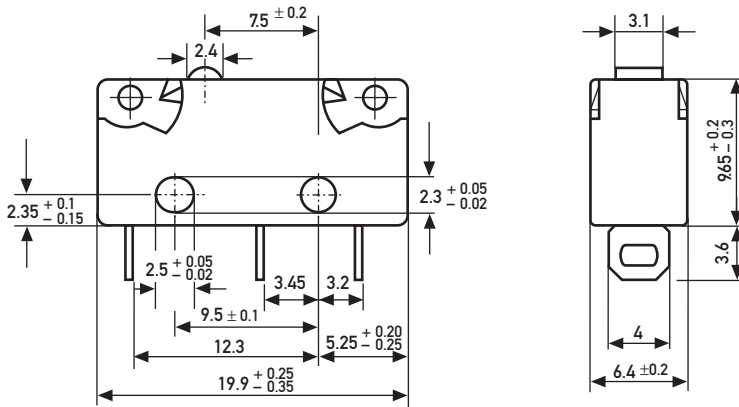
Specifications

Housing	Thermoplastic
Plunger	Thermoplastic
Mechanism	Snap-action system with stainless steel tension spring
Functions	Change-over, NO, NC.
Contacts	Fine silver (Ag), or 10 μm Gold (Au), microprofile
Terminals	Solder, faston, PCB, side-facing PCB and 'PCB terminals with 0.1" pitch
Temperature range °C	Between -40°C and +85°C
Mechanical life	10 ⁶ cycles minimum
Protection	Enclosure – IP 40
Mounting	Side mounting or PCB
Actuators	Stainless steel, PA66–GF35
Contact carrier	CuZn or CuSn

Circuit diagram



Dimensions



Recommended maximum electrical ratings

	Voltage (VAC)	Resistive load (A)	Motor load (A)	Approvals ENEC (A)		(VAC)	Approvals UL (A)	(VAC)
X4F	250	12	6	12 (6)	1E4	250	12	125/250
X4G	250	6	3	6 (3)	5E4	250	6	125/250
X4C	250	3	2	3 (2)	5E4	250	3	125/250

Breaking capacities in the tables refer to silver contacts

Ordering Reference

	X4	
Actuating force	F	Extra high force
	G	High force
	C	Low force
Circuits	3	Change-over
	4	Normally closed (NC)
	5	Normally open (NO)
Terminals	03	Solder
	05	Faston 2.8 × 0.5 mm
	08	PCB
	Other terminals on special request	
Housing design	K	Thermoplastic
Contacts	1	Ag (silver)
	8	μ profile Au 10 μm (crossbar contact)
Approval classes in accordance with UL/cUL/CSA	A	125/250 VAC, 12 A
	B	125/250 VAC, 6 A
	C	125/250 VAC, 3 A
	D	125 AC, 0.1 A
	N	No approvals
Electrical rating classes in accordance with ENEC	A	250 V, 12 (6) A ~ 1E4 T85 μ approved
	B	250 V, 6 (3) A ~ 5E4 T85 μ approved
	C	250 V, 3 (2) A ~ 5E4 T85 μ approved
	F	250 V, 10 (4) A ~ 1E4 T125 μ approved
	L	30 V, 1 A = not approved
	M	30 V, 0,3 A ~ 1E4 not approved
Actuators	No digit	Without lever
	J0	Plain
	L0	Simulated roller lever
	M0	Customer specified lever
	S0	Roller lever
	C0	Cam follower lever
	Other actuators on special request	
Mounting position of the actuator	1	Mounting above terminal pos. 1
	2	Mounting above terminal pos. 2
	/	Plunger