

X4

Characteristics	<ul style="list-style-type: none"> ■ thermoplastic housing ■ long mechanical and electrical life ■ solder, PCB and faston terminals ■ compliant to glow wire test IEC 60335-1, 4. ed. as optional item
Rating	250 VAC, 12 A max.
Dimensions (mm)	19.9 × 9.7 × 6.4
Actuator	<ul style="list-style-type: none"> ■ plunger ■ plain levers ■ cam follower lever ■ roller levers
Approvals	UL, cUL, CSA, ENEC, CQC



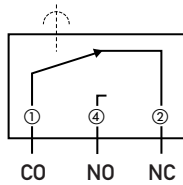
Preferred Range

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	Ag	12 (6) A	12 A
X4F305K1AA	3.3	11,869	8,4	Faston	CO	Plunger	Ag	12 (6) A	12 A
X4G303K1BB	2	7,193	8,4	Solder	CO	Plunger	Ag	6 (3) A	6 A
X4G305K1BB	2	7,193	8,4	Faston	CO	Plunger	Ag	6 (3) A	6 A
X4C303K1CC	0.75	2,697	8,4	Solder	CO	Plunger	Ag	3 (2) A	3 A
X4C305K1CC	0.75	2,697	8,4	Faston	CO	Plunger	Ag	3 (2) A	3 A

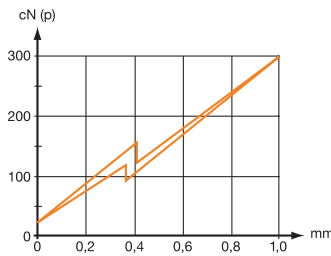
Specifications

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

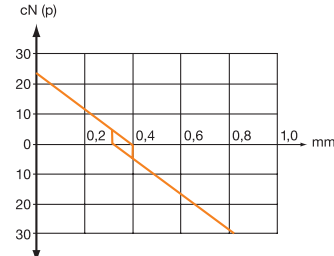
Circuit diagram



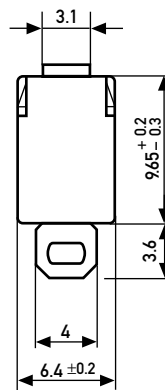
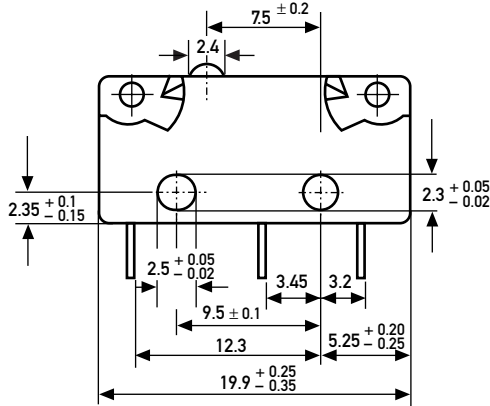
Actuating force/travel



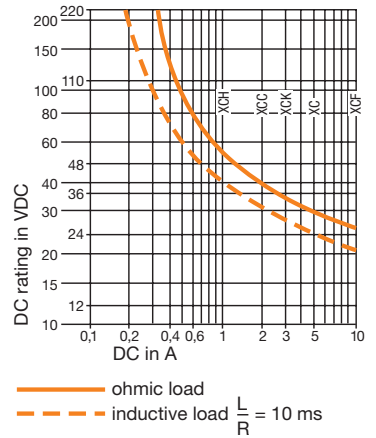
Contact force/travel



Dimensions



Maximum DC rating

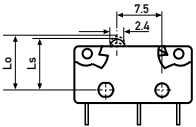
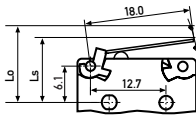
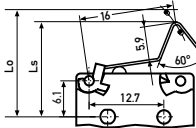
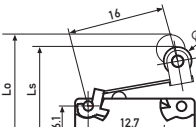


Recommended maximum electrical ratings

	Voltage (VAC)	Resistive load (A)	Motor load (A)	Approvals ENEC (A)		Approvals UL (VAC)	Approvals UL (A)	Approvals UL (VAC)
				(A)	(A)			
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

Operating Characteristics

Actuator	Reference	Actuating Force Maximum		Release Force Minimum		Free Position Maximum		Operating Position Maximum		Movement Differential Maximum		Full Overtravel Position		
		(N)	(ozf)	(N)	(ozf)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	
	X4F	3.3	11.869	0.55	1.978	8.8	0.35	8.4	$\left. \begin{array}{l} +0.1 \\ -0.3 \end{array} \right\} 0.33$	$\left. \begin{array}{l} +0.004 \\ -0.01 \end{array} \right\} 0.33$	0.2	0.008	7.7	0.3
	X4G	2.0	7.193	0.35	1.258	8.8	0.35	8.4			0.2	0.008	7.7	0.3
	X4C	0.75	2.697	0.13	0.467	8.8	0.35	8.4			0.2	0.008	7.7	0.3
	X4F	1.16	4.172	0.18	0.647	12.2	0.48	10.2 ±1.0	0.4 ±0.035	0.6	0.024	8.4	0.33	
	X4G	0.7	2.517	0.094	0.338	12.2	0.48	10.2 ±0.9	0.4 ±0.039	0.5	0.02	8.5	0.33	
	X4C	0.28	1.007	0.031	0.107	12.2	0.48	10.3 ±0.9	0.4 ±0.039	0.4	0.016	8.7	0.34	
Width of lever 4.0 mm/0.16 in														
	X4F	1.21	4.352	0.19	0.683	17.6	0.69	15.6 ±1.1	0.61 ±0.043	0.6	0.024	14	0.55	
	X4G	0.82	2.949	0.11	0.395	17.6	0.69	15.6 ±1.0	0.61 ±0.039	0.5	0.02	14.1	0.56	
	X4C	0.29	1.043	0.033	0.118	17.6	0.69	15.7 ±1.0	0.61 ±0.039	0.4	0.016	14.3	0.56	
Width of lever 4.0 mm/0.16 in														
	X4F	1.21	4.352	0.19	0.683	17.6	0.69	15.6 ±1.2	0.61 ±0.047	0.6	0.024	14.1	0.56	
	X4G	0.82	2.949	0.11	0.395	17.6	0.69	15.6 ±1.1	0.61 ±0.043	0.5	0.02	14.2	0.56	
	X4C	0.29	1.043	0.036	0.129	17.6	0.69	15.7 ±1.1	0.62 ±0.043	0.4	0.016	14.4	0.57	
Width of roller 4.0 mm/0.16 in														

