

# MICROSWITCHES

ALL PRODUCTS ARE SNAP-ACTION SWITCHES

	SUB-SUBMINIATURE		SUBMINIATURE				MINIATURE			SPECIAL			STANDARD		SPECIAL		HARSH ENVIRONMENT			SEAT SWITCHES		
SERIES	V5S 8320	83228 83229	V5D 83194 83141	V4/V4D 83170 8327	V4S 8318	83132 83133 83134	83151 83560	V3/V3D 83161/160 8326	V3S/V3DS 83169 8329	83139	PBX 8324	83106/109 83111/112 83154	83123	8387 8388	8383 8384	83589	83731 83732 83733	83777 83778	83770 83771	8399Ex	8399Nuc	839921**
Max Rating @ 250 V~	4 A	5 A	5 A	12 A	10 A	6 A	5 A	25 A	10 A	6 A	10 A	16 A	5 A	10 A	10 A	8 A	10 A	4 A	4 A	1 A	1 A	4 A
Low Level version	1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)		1 (mA)		1 (mA)		1 (mA)	1 (mA)	1 (mA)	1 (mA)	1 (mA)
High DC rating / Magnetic Blowout																						
Double break						Za*				Za*	Zb*	Za*		Zb*	Za*							
Positive opening operation																						
Bistable version (maintained action)																						
Sealing level	IP67 IP69				IP67 IP69		Gastight Hermetic		IP67 IP69	IP66 IP67	IP65 IP67		IP66 IP67 IP69	IP66	IP66 IP67 IP69	IP66 IP69	IP66 IP69	IP66 IP68 (4m) IP69	IP66 IP68 (18m) IP69	IP66 IP67 IP69	IP66 IP68 (18m) IP69	IP67
High temperature (above 125 °C / 257 °F)		+140 °C +284 °F	+150 °C +302 °F	+150 °C +302 °F		+150 °C +302 °F	+250 °C +482 °F	+200 °C +392 °F											+250 °C +482 °F	+200 °C +392 °F	+250 °C +482 °F	
Low temperature (below -40 °C / -40 °F)		-55 °C -67 °F	-55 °C -67 °F				-55 °C -67 °F	-60 °C -76 °F					-50 °C -58 °F						-55 °C -67 °F	-55 °C -67 °F		-55 °C -67 °F
Explosive atmospheres																						
Irradiated environment																						
High pressure environment up to 6 bar																						
Approvals	NF/ENEC/CE	CE	CE	CE	NF CE	CE	CE	NF CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
	UL																					
	CCC		**																			
	EAC																					

\* Za: NO and NC circuits must be used at same polarity. Zb: NO and NC circuits are electrically separated, and can be used at opposite polarities. \*\* Consult us

# MANUALLY OPERATED SWITCHES

Crouzet offers a wide range of Pushbuttons, Toggles, Rockers, Triggers, Thumbsticks/Trim/Multiway and Thumbwheel/Selector switches for industrial use as well as for high spec applications:

- › Momentary and/or maintained action
- › 1 to 4-pole snap-action configurations / 5 A 250 V~
- › Ratings from 1 mA 5 V~ to 16 A 250 V~
- › Protection degree: from IP40 to IP55
- › Temperature range: from -60 °C to +125 °C / -76 °F to +257 °F
- › Mechanical life up to 10 million cycles



# PROXIMITY SENSORS

Crouzet provides a complete range of Proximity Sensors with standard industrial features to high level performance features:

- › 2 or 3 wires configuration
- › 2 parts sensors integration with remote electronics
- › MTBF: 300,000 hours in operation
- › Temperature range: -65 °C to +125 °C / -85 °F to +257 °F
- › Watertight or hermetic versions
- › High pressure operation

