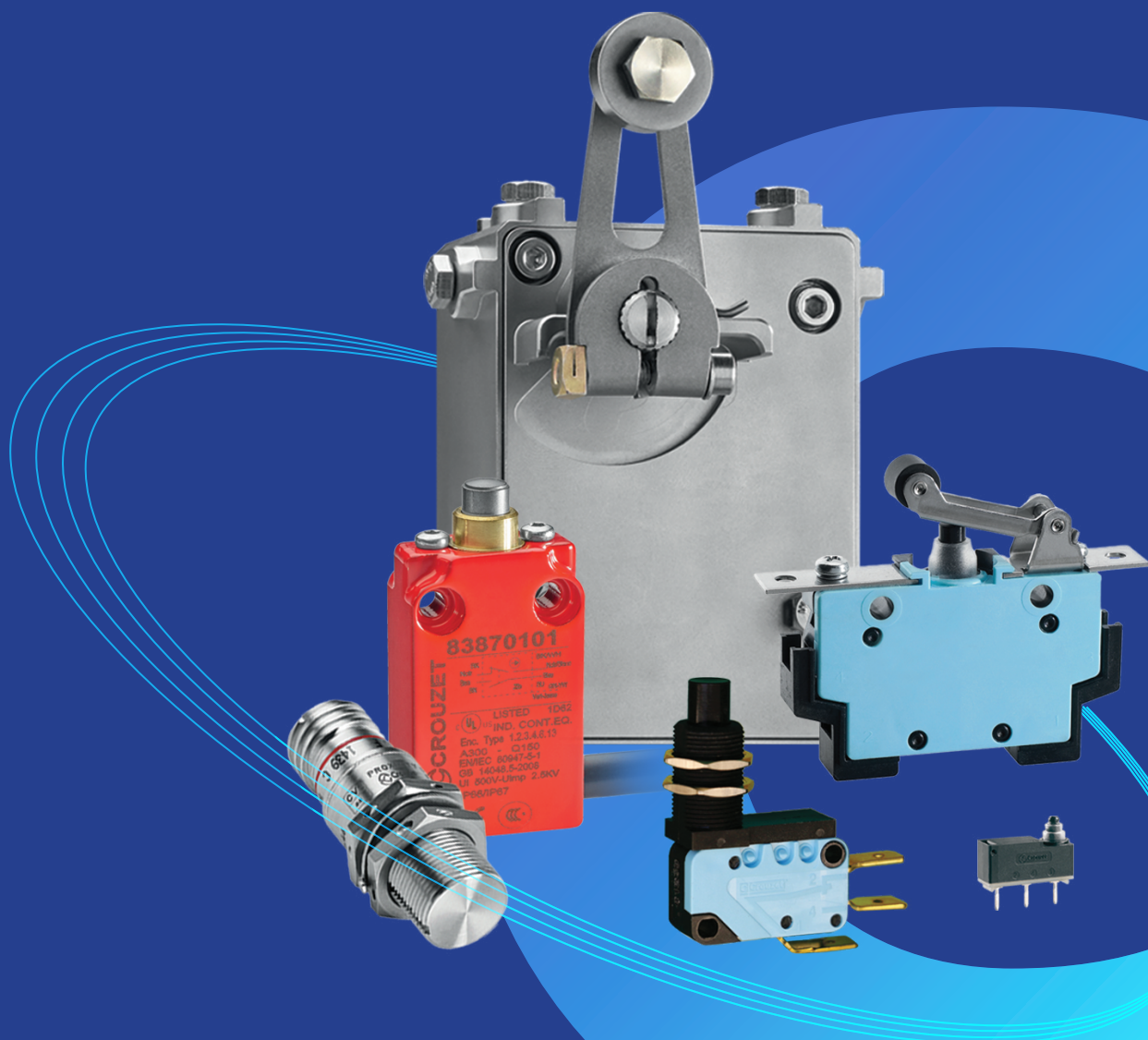


SWITCHES & PROXIMITY SENSORS

Overview



ABOUT CROUZET

Crouzet is an independent company **manufacturing mechatronic components for demanding applications in Aerospace & Transportation, Energy, Building and Machinery Industry.**

Crouzet provides **Switches and Sensors, Electromechanical Actuators, Electrical Protection Equipment, Cockpit Controls, Automation Controllers and Relays, and Instrumentation Services.**

Since 1921, Crouzet has a heritage of close collaboration with customers in the development of products, from standard components to fully customized solutions.

Crouzet's customers and partners can rely on our teams worldwide to always meet and often exceed their expectations. Driven by innovation, our experts are focused on designing and delivering the right product for the right application.

Crouzet is your trusted partner of choice to face industrial challenges of today and tomorrow.

WORLDWIDE PRESENCE



📍 HEADQUARTERS

■ SALES OFFICES

MICROSWITCHES

ALL PRODUCTS
ARE SNAP-ACTION
SWITCHES

		SUB-SUBMINIATURE			SUBMINIATURE			MINIATURE			SPECIAL			STANDARD		SPECIAL		HARSH ENVIRONMENT				SEAT SWITCHES		
ALL PRODUCTS ARE SNAP-ACTION 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	10 A	10 A	10 A	8 A	10 A	4 A	4 A	1 A	1 A	4 A	
Low Level version		I (mA)	I (mA)	I (mA)	I (mA)	I (mA)	I (mA)	I (mA)	I (mA)	I (mA)	I (mA)	I (mA)	I (mA)		I (mA)		I (mA)		I (mA)	I (mA)	I (mA)	I (mA)	I (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 IP67 IP69	IP66	IP66 IP67 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																							
	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





90+ years of customization,
adaptation & co-design
expertise at your service

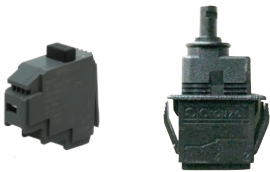
DESIGN LAB

To meet market expectations and provide customers with the right solutions within the shortest timeframes, Crouzet has structured its processes around the different types of products available: standard products, adapted products or customers specific customized products.

4

SPECIAL PRODUCTS

From the very start of a project, Crouzet Switches' experts work closely with your teams to develop the specifications. All our design, industrialization and approval expertise go into developing detection solutions that are tailored to your requirements.



1

STANDARD PRODUCTS

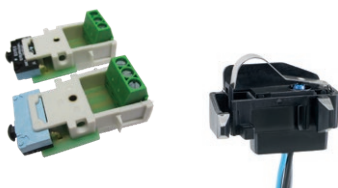
A full range of microswitches, limit switches, manually operated switches and sensors, are immediately available so that you can design your system as quickly as possible.



3

ADAPTED PRODUCTS

Complete coordination between your project teams and our specialists, these adapted products have exactly the right levels of performance and functionality you need for your applications.



2

PRODUCTS WITH ADDED VALUE

All our standard products can have additional factory-mounted auxiliaries or accessories, including connectors, leads, special terminals, fixings, levers, etc. Seamless integration into your equipment means you benefit from simpler logistics and optimum installation reliability.



AMERICAS

CANADA

Tel.: +1 (855) 929-5465
americas.custserv@crouzet.com

MEXICO

Tel.: +1 (855) 929-5465
americas.custserv@crouzet.com

USA

+1 (855) 929-5465
americas.custserv@crouzet.com

COUNTRIES NOT LISTED

+1 (855) 929-5465
americas.custserv@crouzet.com

EUROPE / MIDDLE EAST / AFRICA

BELGIUM

Tel.: +32 (0) 2 620 06 05
Fax: +32 (0) 2 461 00 23
klantenservice@crouzet.com

FRANCE

Tel.: +33 (0) 475 802 101
Fax: +33 (0) 475 828 900
relationclient@crouzet.com

GERMANY / AUSTRIA

Tel.: +49 (0) 2103/9385930
Fax: +49 (0) 2103/980-222
kundenservice@crouzet.com

ITALY

Tel.: +39 (02) 38 594 099
Fax: +39 (02) 82 952 104
assistenzaclienti@crouzet.com

SPAIN / PORTUGAL

Tel.: +34 (91) 215 80 95
Fax: +34 (93) 2 20 02 05
atencionalcliente@crouzet.com

SWITZERLAND

Tel.: +41 (0) 225 67 57 90
Fax: +41 (0) 565 88 02 75
kundenservice@crouzet.com

THE NETHERLANDS

Tel.: +31 (0) 20-654 52 20
klantenservice@crouzet.com

UNITED KINGDOM

Tel.: +44 (0) 2076 600 025
customer.relation@crouzet.com

COUNTRIES NOT LISTED

Tel.: +33 (0) 475 802 102
Fax: +33 (0) 475 828 900
customer.relation@crouzet.com

ASIA / PACIFIC

CHINA

Tel.: +86 (75) 2 5303 200
china@crouzet.com

INDIA

india@crouzet.com

SOUTH KOREA

Tel.: +82 (2) 2679 8312
Fax: +82 (2) 2679 9888
korea@crouzet.com

EAST ASIA PACIFIC

Tel.: +86 (21) 8025 7177
Fax: +86 (21) 6107 1771
eap@crouzet.com

Warning:

The product information contained in this catalogue is given purely as information and does not constitute a representation, warranty or any form of contractual commitment. Crouzet and its subsidiaries reserve the right to modify their products without notice. It is imperative that we should be consulted over any particular use or application of our products and it is the responsibility of the buyer to establish, particularly through all the appropriate tests, that the product is suitable for the use or application. Under no circumstances will our warranty apply, nor shall we be held responsible for any application (such as any modification, addition, deletion, use in conjunction with other electrical or electronic components, circuits or assemblies, or any other unsuitable material or substance) which has not been expressly agreed by us prior to the sale of our products.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Crouzet:

<u>83161261</u>	<u>83161274</u>	<u>83161241</u>	<u>83244000</u>	<u>83244223</u>	<u>83244014</u>	<u>83244290</u>	<u>83244230</u>	<u>83244023</u>	<u>83244004</u>
<u>83244030</u>	<u>83244213</u>	<u>83244034</u>	<u>83244203</u>	<u>83160007</u>	<u>83802401</u>	<u>83541601</u>	<u>83544601</u>	<u>83540601</u>	<u>83544001</u>
<u>83803401</u>	<u>83160426</u>	<u>83245003</u>	<u>83245023</u>	<u>83240290</u>	<u>83186053</u>	<u>83538301</u>	<u>83537305</u>	<u>83538003</u>	<u>84214011</u>
<u>84214005</u>	<u>83537006</u>	<u>X0230888</u>	<u>70507145</u>	<u>X0229954</u>	<u>83170806</u>	<u>70135750</u>	<u>X0204886</u>	<u>X0219930</u>	<u>X0226881</u>
<u>X0211672</u>	<u>83139012</u>	<u>84214009</u>	<u>X0231301</u>	<u>X0209578</u>	<u>X0222917</u>	<u>X0219918</u>	<u>X0171474</u>		