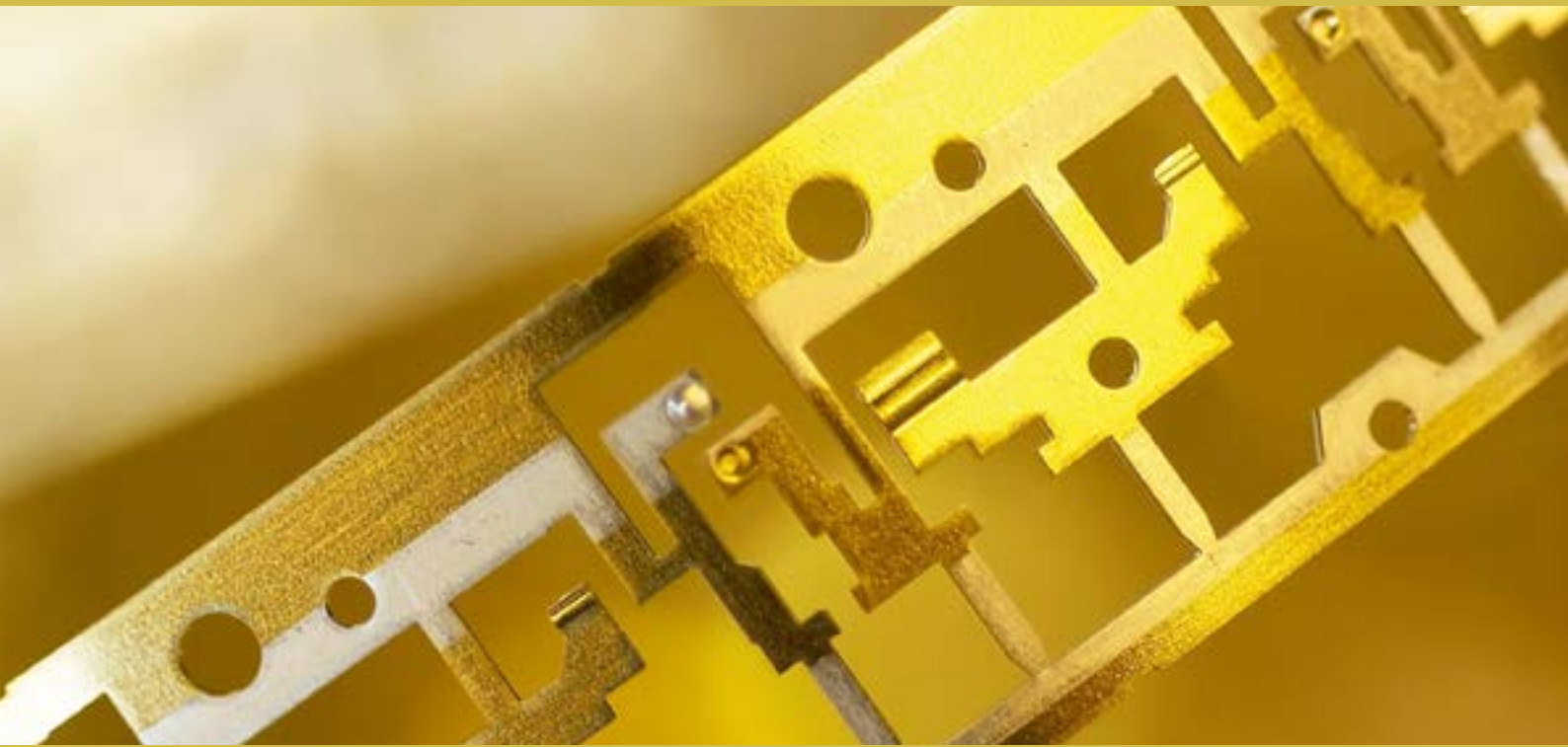


SWITCHES AND SENSORS OVERVIEW



- › Microswitches
- › Limit Switches
- › Trim Switches and Proximity Sensors

ABOUT CROUZET SWITCHES

With over 60 years involvement in highly demanding markets where security and reliability are requested, Crouzet Switches, specialist in snap-action electrical switching brings peace of mind to design engineers through expert product support, in-depth knowledge of application design constraints and related standards and approvals issues.

Crouzet Switches is a brand of InnoVista Sensors™.

MARKETS

Crouzet Switches has worked for decades with customers who design products for highly technical applications that demand superior quality, reliability and meet national and international regulatory standards. Crouzet's switches and sensors are utilized in a wide spectrum of applications in the following markets:

- › Industrial Valve & Pumps
- › Nuclear Industry
- › Energy Distribution
- › Trains
- › Specialty vehicles



InnoVista Sensors™: your trusted partner of choice to face industrial challenges of today and tomorrow.

InnoVista Sensors™ is a worldwide industrial specialist of sensors, controllers and actuators for automated systems.

Through its brands, Crouzet Aerospace, Crouzet Automation, Crouzet Control, Crouzet Motors, Crouzet Switches and Systron Donner Inertial, InnoVista Sensors™ offers a wide range of reliable, efficient and customizable components dedicated to the Aerospace & Defence, Transportation and Industrial market and segments.

Thanks to the recognized expertise of its teams and a strong innovation policy, InnoVista Sensors™ brings performance enhancing solutions to its customers worldwide.

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Designs & Manufactures



Sensors



Controls



Actuators

For



Aerospace
& Defense



Transportation



Industry

With commercial brands



MICROSWITCHES AND LIMIT SWITCHES

	MICROSWITCHES													LIMIT SWITCHES									
	Miniature			Subminiature				Sub-Subminiature						Heavy Duty		Miniature							
Series	PBX 8324	83139	83123	V3S 83169	83106 83154	V3/V3D 83160/260 83161/261	V4S 8318	83133	V4/V4D 83170/270	V5S 8320	83141	83228 83229	83151	8384	SP4522	SP3941 SP3969	8387 8388	83589	8380	83731	SP4863 SP4816	SP4813	
Max Rating @ 250 Vac (A)	10A	6A	10A	8A	16A	25A	10A	6A	12A	4A	5A	5A	5A	10A	1A	1A	10A	8A	6A	10A	1A	1A	
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)	I(mA)	I(mA)	
Sealing level	IP65 IP67	IP66 IP67	IP66 IP67 IP69	IP67 IP69			IP67 IP69			IP67 IP69				Gas tight Hermetic	IP66	Gas tight Hermetic	IP67	IP66 IP67 IP69	IP66 IP67 IP69	IP65	IP66 IP69	Gas tight Hermetic	Gas tight Hermetic
Double break		Zb*	Za*		Za*		Za*								Za*			Zb*		Za*			
Bistable (maintained action)					Push Pull			Push Pull															
High temperature (> 125°C / 257°F)						200°C 392°F		150°C 302°F	150°C 302°F		150°C 302°F	140°C 284°F	250°C 482°F		250°C 482°F	200°C 392°F					250°C 482°F	250°C 482°F	
Low temperature (< -40°C / -40°F)	-50°C -58°F				-60°C -76°F																	-55°C -67°F	-55°C -67°F
Direct Opening Action	→					→								→				→					
High DC breaking / Magnetic Blowout																							
Explosion-proof		Ex															Ex						
Nuclear certified																							
High Pressure Environment. Up to 6 bar																							
Approvals	UL, CCC	UL, CCC	CCC*	UL, CCC*	UL, CCC*	UL, CCC*	UL, CCC*	UL, CCC*	UL, CCC*	UL, CCC*	UL, CCC*	UL, CCC*	UL, CCC*	CCC*	CCC*	CCC*	CCC*	CCC*	CCC*	CCC*	CCC*	CCC*	CCC*

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.

PROXIMITY SENSORS

Crouzet Switches 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



TRIM SWITCHES

Crouzet Switches offers Trim Switches with different button shapes, a variety of electrical configurations, and optional waterproofing. These products are certified for aerospace and military applications.

- > 2 Amp rating
- > 2, 4, or 5 ways
- > One or two-pole, single or separate common
- > Temperature range: -55°C to +85°C / -67°F to + 185°F
- > Waterproof option



ADAPTATION WHEEL

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

SPECIAL PRODUCT

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 meet your requirements.

4

STANDARD PRODUCT

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.

1



3

ADAPTED PRODUCT

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

PRODUCT 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.

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