

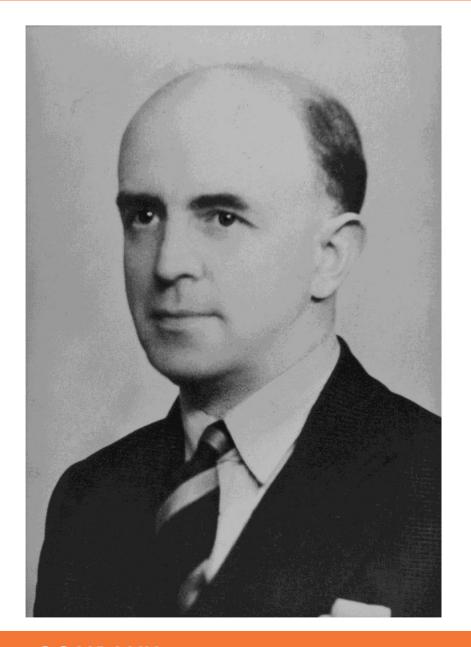
ENERGY SOLUTIONS

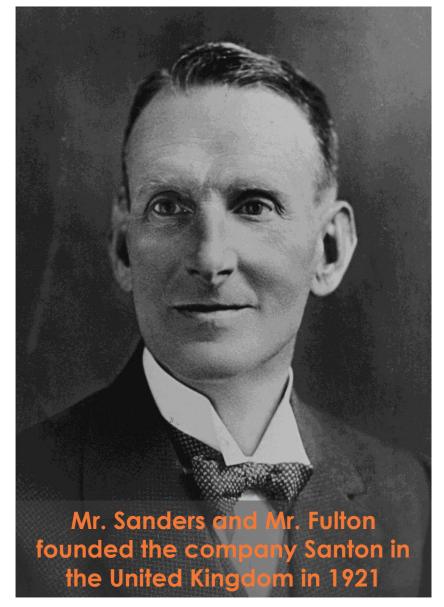


COMPANY PRODUCTS CASES

COMPANY













In 1950 a Dutch – UK joint venture started for making the switches in the Netherlands

In 1970 Santon Switchgear became a 100 % Dutch company









In-house R&D department



Production, highly automated



ISO 9001-2008 certified



Turnover levels around € 20 M



100 people focused core group



Over 90 years of experience



Experience with wide range of AC and DC switches





100% Production in Rotterdam (NL)



Focused on high quality



Efficient due to lean management



Highly automated machinepark





SUPERIOR SWITCH SOLUTIONS

With a Santon switch you are guaranteed to have purchased the very best switch available with maximum continuity and safety precautions for your installations and your employees.

SOLAR PRODUCTS



X-TYPE







Specially designed for the DC industry



Smallest design possible



Extremely short power shut off time of approx. 3ms



Wide electrical range up to 45 amp per pole









Multi-pole solutions (AC and DC) due to modular concept



Models available for Dinrail mounting as well as for single hole mounting



Many accessories available



Meets standards IEC60947-1/3, UI508i and CCC









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X-TYPE

X-type ratings

Voltage (DC21) / Amp ratings	XA	ХВ	XC (IEC)	XB HP (High Performance)
1500 V			20A	
1100 V				10 A
1000 V	16 A	16 A	50A	20 A
850 V	20 A	20 A		
800 V	25 A	25 A		30 A
650 V	32 A	30 A		
500 V				45 A
400 V		45 A		



P-TYPE







In production since 1930



Over 10,000,000 AC and DC units in use



Extremely short power shut off time of approx. 3ms



Switching without flame arc







Suitable for switching low current control signals (due to internal low resistance and self cleaning contacts)



Many accessories available



Customer specific assemblies





Size	Small	Medium	Big
Current Range (Amperes)	16A, 25A, 40A	40A, 63A, 100A, 200A	250A, 300A, 350A, 500A, 800A
Voltage AC 22/23	440 Volt, 690 Volt	440 Volt, 690 Volt	440 Volt, 690 Volt
Voltage DC 21	600 Volt, 1000 Volt	600 Volt, 900 Volt	600 Volt, 1000 Volt
Number of positions	4	4	4



CITADEL







In production since 1975



IP 66, 67, 68 and 69K available (Nema 4X)



Chemical resistant material Noryl GFN2-SE1



AC/DC currents from 16A up to 250A



IEC 947-3 and UL508* certified



Many accessories available







Extreme robust for heavy duty industries like mining, defense and steel work industry



Different (pad lockable) knobs available



Shock and vibration resistant



Many switch diagrams possible due to the modular build up of the switch



Endless possibilities due to own R&D department

CASES









Number one switch supplier to inverter manufactures





























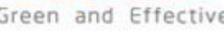








































Used inside the powerplants, built for heavy shock and vibrating environments



Guaranteed safety during the entire lifetime



Protocol contacts, guaranteed making / breaking on requested switching angle



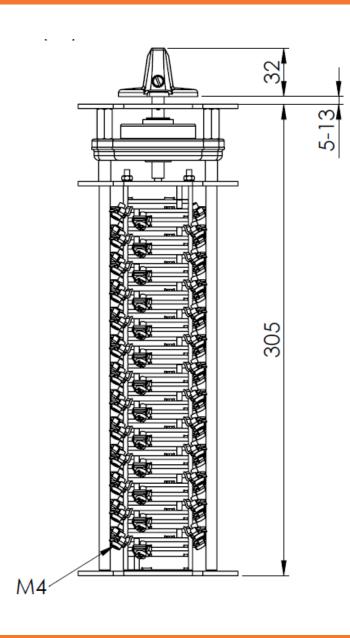
Designed for emergency applications



Manual and motor driven switch for remote operations



Long life cycle, low maintenance cost guaranteed











Selected as 'standard' switch in many large industrial and distribution companies



Installed base of more than 500,000 switches in the most adverse conditions.

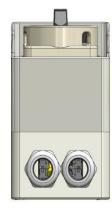


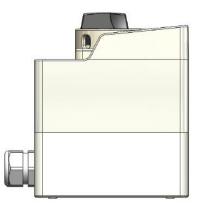
Resistant against falling coal, oxidation, steel dust, heat, chemicals and so on.

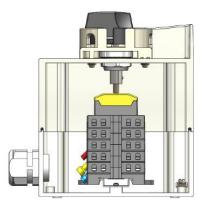


Value for money: some switches are installed and used for almost 40 years without replacement!!!











Feature	Benefit	Value
Self cleaning contact	Longer lifetime	Less investment on long-term base
Experience	Proven and reliable technologies	Safety for employees
Robust enclosures	One time fit	lower maintenance costs
Own R&D department	Creating every solution needed	One partner for all solutions, less vendors

Let's discuss how we can create value for you and your company!



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