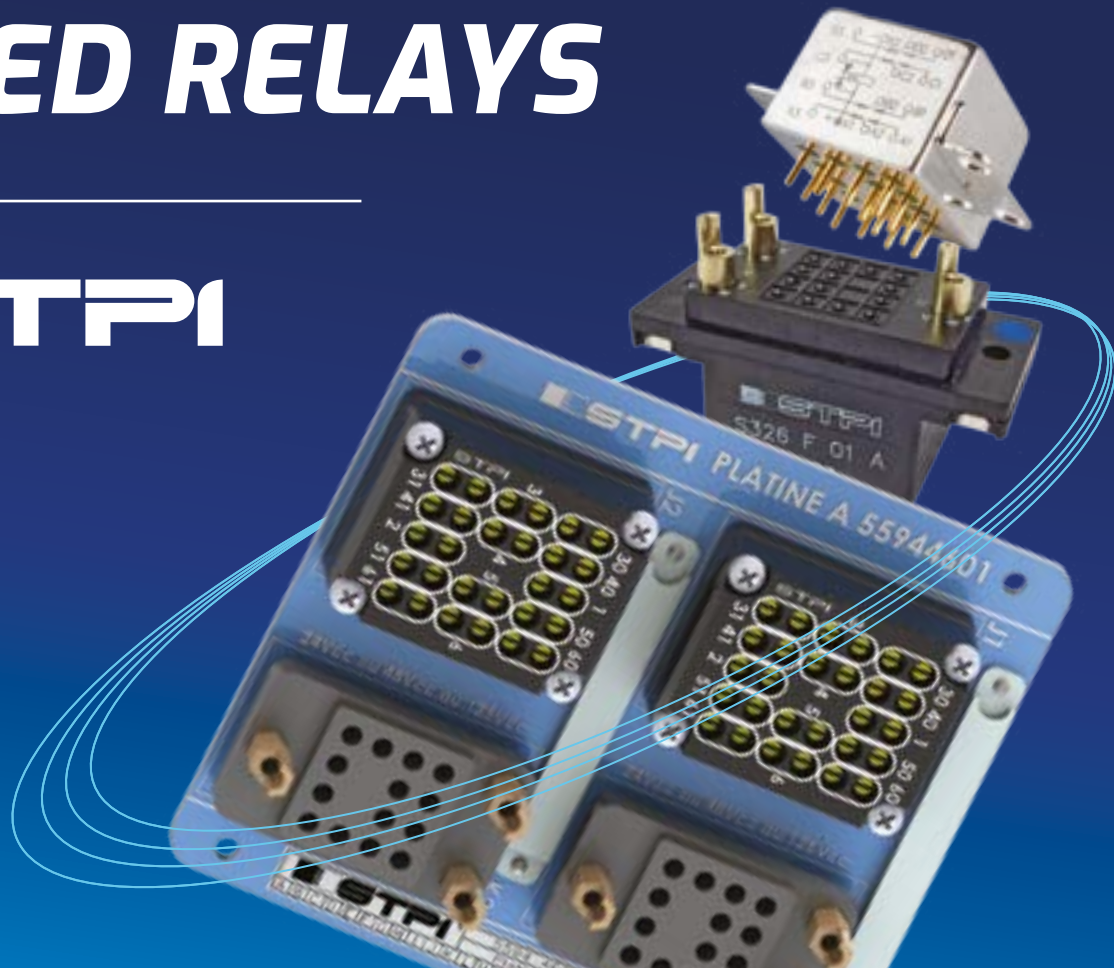


WE ARE **NUCLEAR HERMETICALLY SEALED RELAYS**

 **STPI**

The global reference for Hermetically Sealed Relays

Crouzet **STPI** relays are manufactured, tested and screened to our customer specifications and approved by various nuclear power plant authorities. Our relays are qualified to level K3 (EDF) for use in nuclear power plants.

35+ years' experience
in the nuclear market

**40+ years' qualified product
life expectancy**

Compliant with RCCE 2012-19

WE ARE CROUZET

100 YEARS MANUFACTURING THE FUTURE *Together*

€ 250 MILLIONS
YEARLY TURNOVER

1,860
EMPLOYEES

9 SALES
OFFICES

10 PRODUCTION
SITES

6 R&D
CENTERS



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

Crouzet provides **Switches & Sensors, Electromechanical Actuators, Electrical Control & Protection Equipment, Flight Control Equipment, Automation Controllers & 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.

Since 2023, **ESTPI** is a brand of Crouzet.

WE ARE NUCLEAR

BOTH OUR **LIMIT SWITCHES & HERMETICALLY SEALED RELAYS** ARE CURRENTLY INSTALLED IN THE

57 NPPs
IN FRANCE

+6 UPCOMING **EPR2**

+60,000

LIMIT SWITCHES CURRENTLY
INSTALLED IN CHINA

OUR HERMETICALLY SEALED RELAYS
ARE COMPATIBLE WITHOUT MODIFICATION
WITH THE 32 FOLLOWING CHINESE NPPS:

Quinshan 1-2-3-4, Fangjiashan 1-2,
Changjiang 1-2, Daya Bay 1-2, Ling Ao 1-2,
Ling Ao 1-2-3-4, Ningde 1-2-3-4,
Yangjiang 1-2-3-4-5-6,
Guangxi 1-2, Changjiang 1-2,
Hongyanhe 1-2-3-4 and Taishan1-2

STPI HERMETICALLY SEALED RELAYS

Relays & Timers

- › Electromechanical switching
- › Hermetically sealed
- › Latching and non-latching
- › Electrical isolation
- › Custom mounting relays
- › Timers



Sockets

- › Relay base
- › PCB mount
- › Panel mount
- › Keying options



Relay Cards & Systems

- › Relay cards (PCB)
- › Din rail systems
- › Adaptation cards



CROUZET DESIGN LAB = CO-DESIGN & ADAPTATION
A CLOSE COLLABORATION
WITH OUR CUSTOMERS

Our products' offer is in constant evolution to meet the needs of nuclear power plants and renovation projects, **thanks to your valuable inputs and a close collaboration with our DesignLAB team.**

To secure the supply chain of our customers in the nuclear market, we have developed **2 product ranges:**

- › Relays for EPR1, EPR2 and upgrading projects
- › Relays for retrofitting and renovation projects on existing NPPs



FOR EPR1 AND EPR2 AND UPGRADING PROJECTS, K3 LEVEL

	Type	Designation	STPI Part Number	EDF Part Number
RELAYS		Non-Latching Relay DPDT 24 V~	TBD	TBD
		Non-Latching Relay DPDT 48 V~	TBD	TBD
		Non-Latching Relay 4 PDT 24 V~, Low consumption relay 1 W	0326 6237 24V UUU	X807UWUT
		Non-Latching Relay 4 PDT 48 V~, Low consumption relay 1 W	0326 6238 48V VUU	X043UY73
		Non-Latching Relay 4 PDT 125 V~, Low consumption relay 1 W	0326 6239 125V XUU	X046UYLN
		Non-Latching Relay 4 PDT 220 V~ 3 W	0326 6260 220V YUU	X767VJ0E
		Latching Relay 4 PDT 24 V~, Low consumption relay 1.3 W	ETPL 4 1D18 B M091 UUU	X046UYND
		Latching Relay 4 PDT 48 V~, Low consumption relay 1.3 W	ETPL 4 1F18 B M091 VUU	X046UYNE
		Latching Relay 4 PDT 125 V~, Low consumption relay 1.3 W	ETPL 4 1M18 B M091 XUU	X046UYLP
		DPDT DIN rail non-Latching relays 24 V~	5592 0611	TBD
DPDT DIN rail non-Latching relays 48 V~		5592 0612	TBD	
		4 PDT DIN rail non-Latching relays 24 V~, Low consumption relay 1 W	5592 0621	TBD
		4 PDT DIN rail non-Latching relays 48 V~, Low consumption relay 1 W	5592 0622	TBD
TIMERS		Timer Module 100 h 24 V~, from 0,1 s → 100 h - Mode E or R	MT336 8001 24V UUUU	X044UYMU
		Timer Module 100 h 48 V~, from 0,1 s → 100 h - Mode E or R	MT336 8002 48V VUUU	X044UYNA
		Timer Module 100 h 125 V~, from 0,1 s → 100 h - Mode E or R	MT336 8003 125V XUUU	X044UYLM
		Timer Module 100 h 220 V~, from 0,1 s → 100 h - Mode E	MT336 8004 220V YUUU	X767VJ09
SYSTEMS		Board CPY - UMW 48 V~ (without relays)	5577 4630	X640UXCY
		Board CPY - URW 48 V~ (without relays)	5577 4640	X640UXD0
		Board CPO - UMW 48 V~ (without relays)	5577 4650	X640VKRX
		Board CPO - URW 48 V~ (without relays)	5577 4660	X640VK51
		DIN Rail Socket for Non-Latching Relay 4 PDT / 24V~	5577 0601	X770UY7J
		DIN Rail Socket for Non-Latching Relay 4 PDT / 48V~	5577 0602	X770UY7N
		DIN Rail Socket for Non-Latching Relay 4 PDT / 125V~	5577 0603	X807UYMF
		DIN Rail Socket for Latching Relay 4 PDT / 24V~	5577 0611	X807UYNI
		DIN Rail Socket for Latching Relay 4 PDT / 48V~	5577 0612	X807UYNJ
		DIN Rail Socket for Latching Relay 4PDT / 125V~	5577 0613	X807UYMG
		DIN Rail Socket for Timer 100h + Non-Latching Relay 4 PDT / 24V~	5577 0621	X807UYNK
		DIN Rail Socket for Timer 100h + Non-Latching Relay 4 PDT / 48V~	5577 0622	X807UYNN
DIN Rail Socket for Timer 100h + Non-Latching Relay 4 PDT / 125V~		5577 0623	X807UYMI	
	Red Led option for CPY/ CPO and Din rail boards	5577 4301 (24V~) 5577 4302 (48V~) 5577 4303 (125V~)	N/A	
SOCKETS		Socket for Non-Latching Relay 4 PDT 24 V~ or 48 V~ or 125 V~	5577 0622	X043V153
		Socket for Latching Relay 4 PDT 24 V~ or 48 V~ or 125 V~	5577 0623	X807UYM0
		Socket for Timer Modul 24 V~ or 48 V~ or 125 V~	5336 E 01 A 18 110	X807UYNF
		Socket for Non-Latching Relay 4 PDT 24 V~ or 48 V~ or 125 V~	5326 F 01 A	X807UYMC
		Socket for Latching Relay 4 PDT 24 V~ or 48 V~ or 125 V~	5326 F 09 A	X807UYMD
		Socket for Timer Modul 24 V~ or 48 V~ or 125 V~	5336 F (to be define)	TBD

FOR RETROFITTING AND RENOVATION PROJECTS, K3 LEVEL

	Type	Designation	STPI Part Number	EDF Part Number
RELAYS		Adapted Non-Latching Relay 4 PDT / 48 V~ - Low consumption 1 W	0326 6240 48V~	X043UPPG
		Adapted Latching Relay 4 PDT / 48 V~ - Low consumption 1.3 W	0326 6241 48V~	X807U56K
		Adapted Non-Latching Relay ET - 4 PDT / 24 V~ - Low consumption 1 W	0326 6245 24V~	X807VQSA
		Adapted Non-Latching Relay ET - 4 PDT / 48 V~ - Low consumption 1 W	0326 6246 48V~	X807V2ZC
		Adapted Non-Latching Relay ET - 4 PDT / 125 V~ - Low consumption 1 W	0326 6247 125V~	X807VQSN
		Adapted Latching Relay ET - 3 PDT / 24 V~ - Low consumption 1W	0326 6248 24V~	X807VQT0
		Adapted Latching Relay ET - 3 PDT / 48 V~ - Low consumption 1W	0326 6249 48V~	X807VQT0
		Adapted Latching Relay ET - 3 PDT / 125 V~ - Low consumption 1W	0326 6250 125V~	X807VQV9
		A101 End relay simple break - Low consumption 1 W	0326 6257 48V~	X043VBNR
		A102 End relays double break - Low consumption relay 1 W	0326 6258 48V~	X043VB09
TIMERS		Adapted Timer Module 0.1 s to 100 h 48 V~	MT336 8010 48V~	X807U56R
		KIT: MT336 8002 (Timer Module 0,1 s to 100 h 48 V~) 5585 4301 (Mezzanine board 48 V~)	5585 4311	X044W4VT
		Platine A: for 2 Non-Latching Relays (24 V~ or 48 V~ or 125 V~)	5594 4601	TBD
SYSTEMS		Platine C: Solenoid valves control	5595 4602	TBD
		Platine C1: Solenoid valves control	5596 4603	TBD
		Platine D: Distribution of polarity board	5597 4604	TBD
		Platine D: Distribution of polarity board	5597 4604	TBD

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