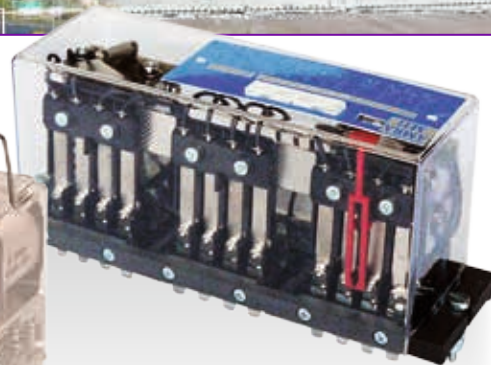
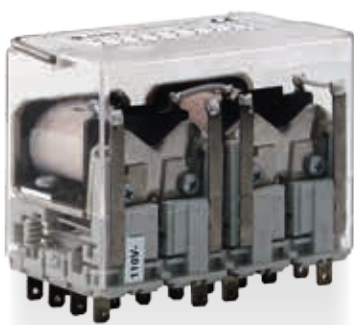


# Production & Transmission Automation Relays



A comprehensive offering dedicated to the energy sector

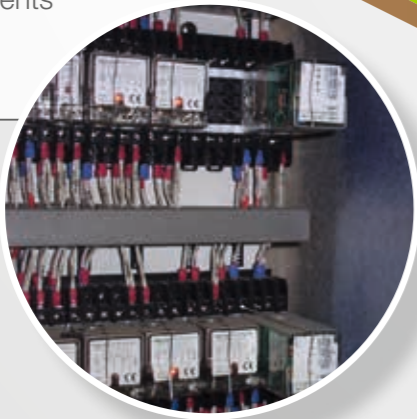
Instantaneous  
Bistable  
Time-delay  
Accessories


# A relay offering for very demanding environments

Drawing on expertise acknowledged among the players in the energy sector, **ENERDIS®** is constantly innovating in the field of automation relays and adapting to the most demanding technical and standardization constraints. **Its offering covers many applications:** energy production plants, HV transformer stations and LV distribution networks.


ELECTRICITY  
PRODUCTION  
PLANTS

In nuclear, thermal and hydroelectric power plants, wind farms and solar farms, Enerdis meets the specific and standard requirements of energy production companies.




1  **Instantaneous relays**


- 2-4-6-8-12 change-over contacts
- Small size
- Contact position indicator

2  **Fast instantaneous relays**

- Make time < 6 ms
- Contact position indicator

3  **Multi-contact instantaneous relays**

- Up to 20 change-over contacts
- Contact position indicator

4  **Bistable relays**


- 3 or 4 change-over contacts
- Magnetic latching
- Contact position indicator
- Continuous or pulsed command signal

5  **Fast bistable relays**

- 3-4-7 contacts
- Magnetic latching
- Contact position indicator
- Continuous or pulsed command signal

6  **Multi-contact bistable relays**

- 4 to 16 change-over contacts
- Built-in auxiliary relay
- Contact position indicator
- Continuous or pulsed command signal

7  **Time-delay relays**

- With function in On or Off condition
- Adjustable time delay (from a few ms to more than 16 hours)



For energy transmission and distribution networks which are constantly operated, maintained and developed, Enerdis proposes high-technology relays.

SUBSTATION



# Our offering Automation relays

In automated systems, relays are key components. This means it is important to choose them correctly. Enerdis® proposes a range to meet all industrial requirements linked to the production and transmission of electrical power.

## Standards and certifications

**Instantaneous relays:** EN 61810-1, EN 61810-5, CEI 61810-7, EN 60255-23

**Time-delay relays:** EN 61812-1

**EDF:** HM-2A / 03 / 111 / A (French electrical power production company)

**ENEL:** LV15/1, LV15/2 / LV16/1, LV16/2, LV16/3, LV16/4, LV16/5 (Italian electrical power production company)

## Choosing your relay

	Type of relay	Relay	Number of contacts
1	Instantaneous	RCME	2 CO: 10 A
		RDME	4 CO: 10 A
		POKS	2 to 12 CO: 10 A
		RE 3000N	4 CO: 10 A
		OK184	4 CO: 10 A
		OKSFc	4 CO: 10 A
		RGME	4 CO or (4 CO + 1 NO) or (4 CO + 1 NC): 12 A
2	Fast instantaneous	RV	2 to 6 NO + NC: 5 A (< 6 ms)
		RGMV1	4 CO: 10 A (< 8 ms)
		RMMV1	8 NO or (4NO + 4NC): 10 A (< 6 ms)
3	Multi-contact instantaneous	RMME	8 to 20 CO: 10 A
		RMNE	4 to 16 CO: 10 A
4	Bistable	RGBE	3 or 4 CO: 12 A
		OKBA	4 or 8 CO: 10 A
		BAS8	8 CO: 10 A
5	Fast bistable	RGBZ	3 or 4 CO: 12 A (≤ 8 ms)
6	Multi-contact bistable	RMBZ30	7 CO: 10 A
7	Time-delay	OKTmS	4 CO: 5 A (100 ms to 9h)
		RDTE	4 CO: 10 A (100 ms to 16h)

## References

EDF (France)  
 GUANGDONG NPP (China)  
 LINGAO NPP (China)  
 KHNP (Korea)  
 KOEBERG NPP (South Africa)  
 CIE (Côte d'Ivoire)  
 EDELNOR (Peru)  
 EDESUR and TRANSENER (Argentina)  
 EDL (Lebanon)  
 ELECTRABEL (Belgium)  
 ENEL (Italy)  
 SEC (Saudi Arabia)  
 NEK (Bulgaria)  
 ...



### Sockets and accessories

Rear connection, front connection, screw connection, Faston connection, blade connection, spring connection: various sockets are available. Enerdis® also proposes a complete range of accessories: locking spring, bar-mounting strap, bar for panel mounting, DIN-rail fitting, safety blank, etc.



## A comprehensive catalogue

Find details of the whole relays offering in our latest catalogue. Ask your Enerdis contact for it.

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