

Plug-in relays

Zelio Relay

A new offer image!



Simply Smart!

Leveraging
ingenuity
and intelligence
for **ease of use**

Zelio relay

Plug-in relays

The world leader in contactors enhances its offer with a complete range of plug-in relays.

The relay function is essentially designed for the adaptation, amplification, multiplication and processing of information in automated system.

Relays enable:

- Inputs and outputs current and voltage adaptation,
- Multiplication of information by choice and number of contacts,
- Programmable controller current output amplification,
- Parallel processing of circuits not managed by programmable controller.



4 product families

- RS** Interface relays
- RX** miniature relays
- RU** universal relays
- RPM / RPF** power relays



An offer responding to the most demanding standards:

- This product is manufactured in conformity with the requirements of the RoHS (Restriction of Hazardous Substances) European Directive.
- Conformity to international standards IEC/EN 61810-1 (including IEC 60947-5-1), UL508/CSA C22.2 N°14



A unique offer available worldwide

Zelio Relay guarantees you availability of its complete range, with 5 000 sales outlets throughout the world.

Zelio relay

Extended functions for simplified installation!

a Test button

(instantaneous operation)
ON circuit state local check. Colour coding for DC and AC versions.
DC: green.
AC: red.

b Lock-down door

ON circuit state remote enclosure check.

c Product marking

Removable label enables customisation.

d Relay state LED indication

Indication of relay operating state.

e Relay state mechanical indication

Indication of relay operating state.

f Ribbed surface

Easy relay removal for simplified maintenance.

g Wide selection of sockets and associated accessories

Sockets enable mixed or separate connection of coils and contacts.



Appearance

Discover a complete, high performance and coherent range matching the design of other Telemecanique automation components.

Extended functions

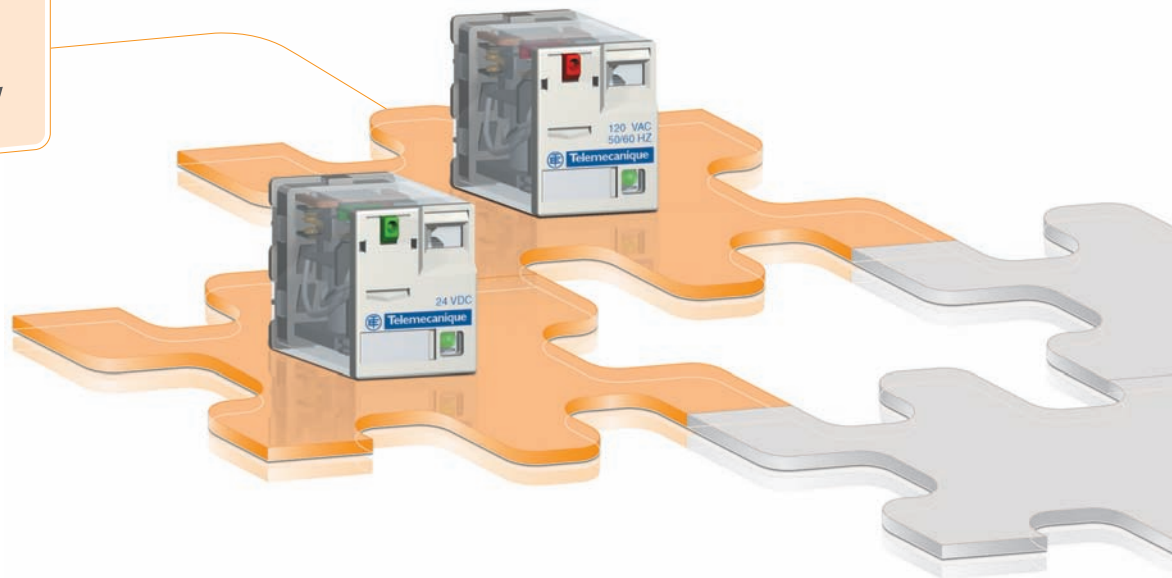
For simple and more efficient use, ZELIO Relay proposes functions common throughout the range.

Installation

Extremely compact size to facilitate integration in your installations with simplified mounting of extensions or options on sockets.

RXM miniature relays

- 2, 3 and 4 C/O contacts
- 12 - 10 - 6 A
- Version with low level contacts



RXM miniature relays

- Choice of number of contacts
- Adaptable to all common voltages
- Test button
- LED (optional)
- Relay state mechanical indication
- Simplicity, no adjustment required in normal use

Contact						
Number & type	Rated current	Switching voltage		LED		
	A	DC/AC	max	min	without	with
		DC/AC	DC/AC	DC/AC		
2 "C/O"	12	28/250 V	10 mA	17 V		
RXM2AB					1	2
3 "C/O"	10	28/250 V	10 mA	17 V		
RXM3AB					1	2
4 "C/O"	6	28/250 V	10 mA	17 V		
RXM4AB					1	2
4 "C/O"	3	28/250 V	2 mA	5 V		
RXM4GB					1	2

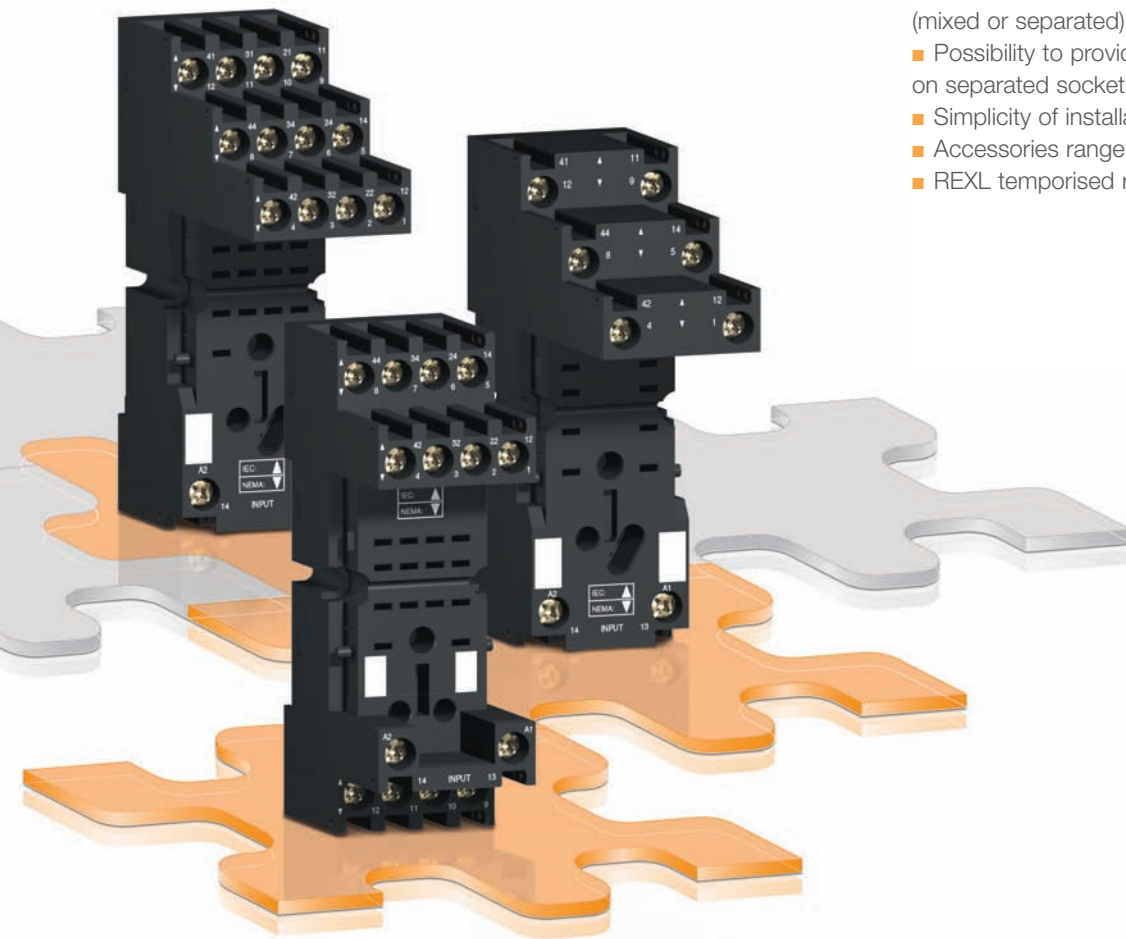
Coil									
Rated voltage								Rated power	
VDC				VAC 50-60 Hz				VA	W
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	1,2	0,9
JD	BD	ED	FD	B7	E7	F7	P7		
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	1,2	0,9
JD	BD	ED	FD	B7	E7	F7	P7		
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	1,2	0,9
JD	BD	ED	FD	B7	E7	F7	P7		
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	1,2	0,9
JD	BD	ED	FD	B7	E7	F7	P7		

For other coil voltages: consult catalogue

Sockets for RXM miniature relays

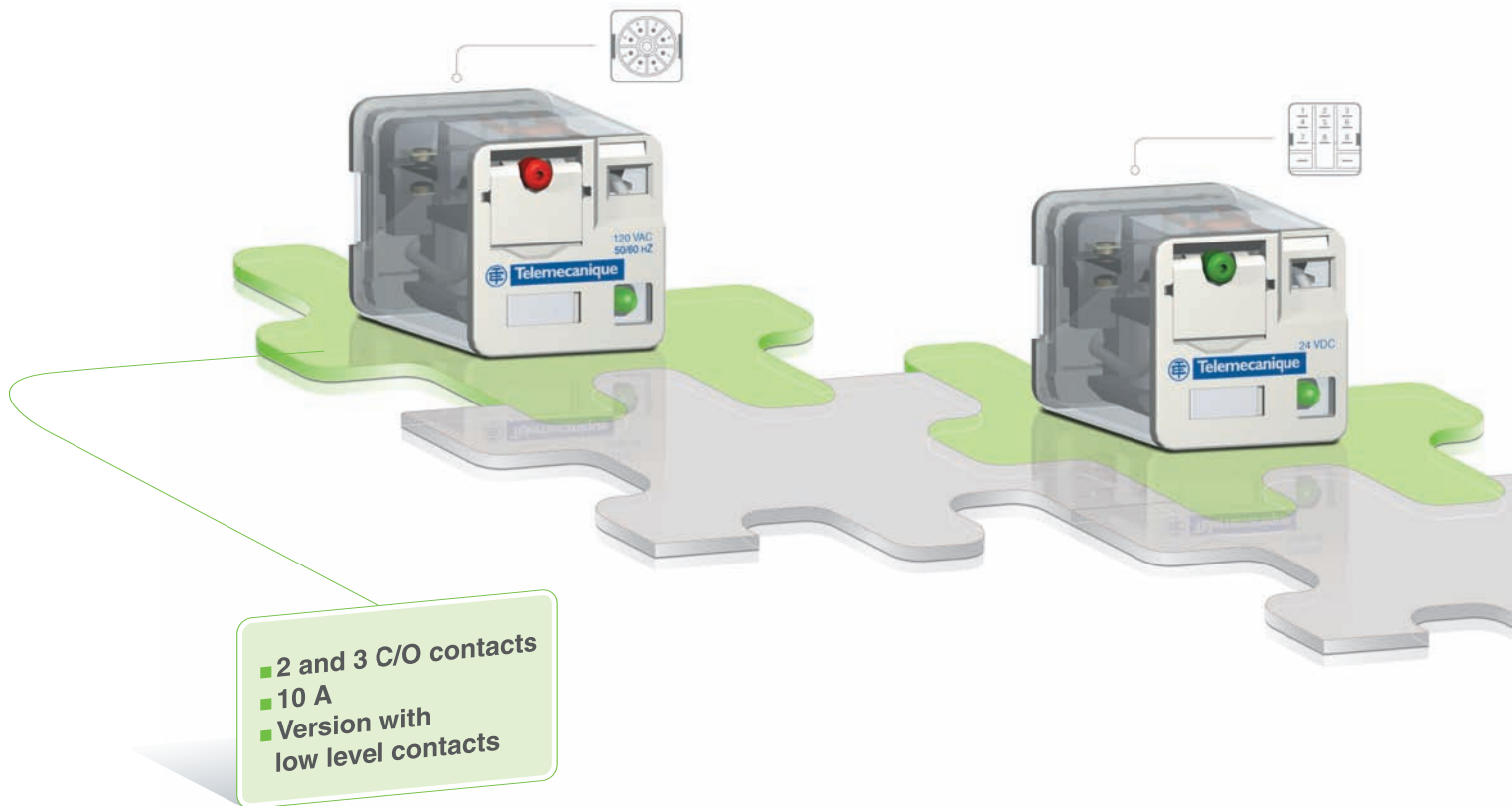
RXZ sockets

- DIN rail or screw mounting
- Choice of terminals arrangement (mixed or separated)
- Possibility to provide common coils wiring on separated sockets (with jumper bus bar)
- Simplicity of installation and connection
- Accessories range mounting directly on sockets
- REXL temporised relays mounting possibilities



Relay type	Terminal arrangement Coil/Contact	Connection	Socket	Voltage VAC	Current A	Dimensions H x W x D (mm)
RXM2A	Separate	Connector	RXZE2S108M	250	12	79 x 27 x 61
	Mixed	Connector	RXZE2M114M	250	10	80 x 27 x 43
	Mixed	Screw clamp	RXZE2M114	250	10	79 x 30 x 40
RXM3A	Separate	Connector	RXZE2S111M	250	10	79 x 27 x 61
RXM4A / 4G	Separate	Connector	RXZE2S114M	250	10	79 x 27 x 61
	Mixed	Connector	RXZE2M114M	250	10	80 x 27 x 43
	Mixed	Screw clamp	RXZE2M114	250	10	79 x 30 x 40

RUM universal relays



RUM universal relays

- Choice of plug type (cylindric/faston)
- Adaptable to all common voltages
- Test button
- LED (optional)
- Relay state mechanical indication
- Simplicity, no adjustment required in normal use

Contact						Coil									
Number & type	Rated current A	Switching voltage max		LED without	LED with	Rated voltage								Rated power	
		DC/AC	min DC/AC			VDC				VAC 50-60 Hz				VA	W
2 "C/O"	10	28/250	10 mA	17 V		12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	2...3	1,4
RUMC2AB															
3 "C/O"	10	28/250	10 mA	17 V		12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	2...3	1,4
RUMC3AB															
3 "C/O"	3	28/250	3 mA	5 V		24 V	48 V	24 V	48 V	120 V	230 V	2...3	1,4		
RUMC3GB															
2 "C/O"	10	28/250	10 mA	17 V		12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	2...3	1,4
RUMF2AB															
3 "C/O"	10	28/250	10 mA	17 V		12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	2...3	1,4
RUMF3AB															




For other coil voltages: consult catalogue

Sockets for RUM universal relays



RUZ sockets

- DIN rail or screw mounting
- Choice of plug type (cylindric/faston)
- Choice of terminals arrangement (mixed or separated)
- Possibility to provide common coils wiring on separated sockets (with jumper bus bar)
- Simplicity of installation and connection
- Accessories range mounting directly on sockets
- RE48A temporised relays mounting possibilities with RUZC socket

Relay type	Terminal arrangement Coil/Contact	Connection	Socket	Voltage VAC	Current A	Dimensions H x W x D (mm)
 RUMC2AB	Separate	Connector	RUZSC2M	250	12	92 x 36 x 45
	Mixed	Connector	RUZG2M	250	12	75 x 38 x 27
 RUMC3AB / GB	Separate	Connector	RUZSC3M	250	12	92 x 36 x 63
	Mixed	Connector	RUZC3M	250	12	75 x 38 x 27
 RUMF2AB / 3AB	Separate	Connector	RUZSF3M	250	12	92 x 36 x 63

RPF/RPM power relays

- 2 C/O contacts or 2 N/O contacts
- 30 A

RPF power relays

- For high rated current use (30 A*)
- Direct DIN rail or panel mounting
- Simplicity, no adjustment required in normal use

RPM power relays

- For high rated current use 15 A
- Choice of number of contacts
- Adaptable to all common voltages
- Test button
- LED (optional)
- Relay state mechanical indication
- Simplicity, no adjustment required in normal use

- 1, 2, 3 and 4 C/O contacts
- 15 A

Contact					
Number & type	Rated current A	Switching voltage max		LED	
		DC/AC	min DC/AC	without	with
1 "C/O"	15	28/250 V	10 mA 17 V		
RPM1				1	2
2 "C/O"	15	28/250 V	10 mA 17 V		
RPM2				1	2
3 "C/O"	15	28/250 V	10 mA 17 V		
RPM3				1	2
4 "C/O"	15	28/250 V	10 mA 17 V		
RPM4				1	2
2 "N/O"	30*	28/250 V	10 mA 17 V		
RPF2A					
2 "C/O"	30*	28/250 V	10 mA 17 V		
RPF2B					

Coil									
Rated voltage								Rated power	
VDC				VAC 50-60 Hz				VA	W
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	0,9	0,7
JD	BD	ED	FD	B7	E7	F7	P7		
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	1,2	0,9
JD	BD	ED	FD	B7	E7	F7	P7		
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	1,5	1,7
JD	BD	ED	FD	B7	E7	F7	P7		
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	1,5	2
JD	BD	ED	FD	B7	E7	F7	P7		
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	4	1,7
JD	BD		FD	B7		F7	P7		
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V	4	1,7
JD	BD		FD	B7		F7	P7		

* 30 A: 13 mm space between each relay
25 A: side-by-side mounting

Sockets for RPM power relays



RPZ sockets

- DIN rail or screw mounting
- Simplicity of installation and connection
- Accessories range mounting directly on sockets

Relay type	Terminal arrangement Coil/Contact	Connection	Socket	Voltage VAC	Current A	Dimensions H x W x D (mm)
RPM1	Mixed	Screw clamp	RPZF1	250	16	80 x 21 x 31
RPM2	Mixed	Screw clamp	RPZF2	250	16	80 x 30 x 30
RPM3	Mixed	Screw clamp	RPZF3	250	16	80 x 40 x 30
RPM4	Mixed	Screw clamp	RPZF4	250	16	80 x 50 x 30

RS Interface relays



RS interface relays

- Compact size
- Adaptable to all common voltages
- Simplicity, no adjustment required in normal use

RSZE sockets

- DIN rail or screw mounting
- Simplicity of installation and connection
- Accessories range mounting directly on sockets

Contact			
Number & type	Rated current A	Switching voltage	
		max DC/AC	min DC/AC
1 "C/O"	12	28 V/250 V	5 mA 60 V
*RSB1A120			
1 "C/O"	16	28 V/250 V	5 mA 60 V
*RSB1A160			
2 "C/O"	8	28 V/250 V	5 mA 60 V
*RSB2A080			

Relay type	Terminal arrangement Coil/Contact	Connection	Socket	Voltage VAC	Current A	Dimensions H x W x D (mm)
RSB1A120	Separate	Connector	RSZE1S35M	300	12	79 x 16 x 61
RSB1A160	Separate	Connector	RSZE1S48M	300	16**	79 x 16 x 61
RSB2A080	Separate	Connector	RSZE1S48M	300	12	79 x 16 x 61

Coil								Rated power	
Rated voltage								VA	W
VDC				VAC 50-60 Hz				0,75	0,45
12 V	24 V	48 V	110 V	24 V	48 V	120 V	230 V		

Ref RS + **JD** **BD** **ED** **FD** **B7** **E7** **F7** **P7**



* to order relay + corresponding socket, add letter S after the complete product reference: RSB2A080JDS

** When using the relay RSB1A160** with the socket RSZE1S48M, terminals must be linked (consult the catalogue).

Accessories

RX RU RPM accessories



RS accessories



Modules	RXM	RUM	RPM	RS
④ Multifunction timer		+	+	+
⑤ Diode	+	+	+	+
⑤ Diode + green LED (DC)				+
⑤ Varistor + green LED (AC/DC)				+
⑤ Varistor	+	+	+	
⑤ RC circuit	+	+	+	+
⑧ Plug-in timer relay	with REXL*	with RE48A*		
Accessories				
① Marking label (socket)	+	+		+
② Marking label (relay)	+	+	+	
③ Bus jumper (socket with separated I/O)	+	+		
⑥ Metal maintaining clamp	+	+	for RPM1	
⑦ Plastic maintaining clamp	+			+
⑨ Flange adapter	+		+	
⑩ DIN rail adapter	+		+	

* consult Zelio Time catalogue

Discover all the Zelio families!



Zelio **Time** timing relays



Zelio **Control** measurement and control relays



Zelio **Analog** converter



Zelio **Count** counters



Zelio **Logic** Smart relays

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