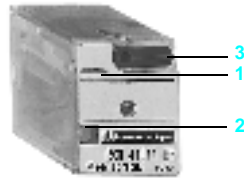


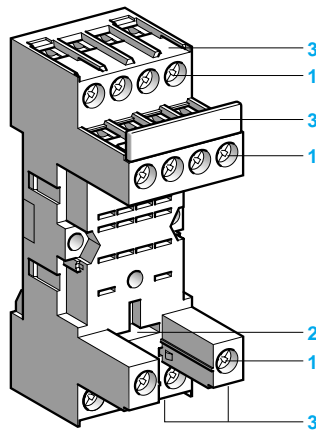
Presentation

Relay



- 1 Mechanical indicator showing contact position. Indicator orange when contacts tripped.
- 2 Non polarised LED "Power on" indicator (applicable to one version of relay).
- 3 A lockable lever with pushbutton function allows the contacts to be overridden; this condition is displayed by the mechanical indicator 1.
- green lever: d.c. relay
- orange lever: a.c. relay

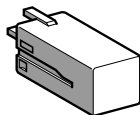
Socket



Suitable for mounting on 35 mm rail or fixing by two 3 mm diameter screws.

- 1 Screw connector terminations.
- 2 Location designed to take add-on protection module RXW.
- 3 A customer legend plate can be clipped onto the socket.

Add-on protection module



Plugs into the socket and is automatically connected in parallel to the coil terminals (A1+/A2-).

RXN relays characteristics

Conforming to standards	Standard version		IEC 255-1-00, VDE 0435 part 201
Product approvals (pending)	Standard version		UL
Protective treatment	Standard version		"TC"
Rated insulation voltage (Ui)	Conforming to IEC 947	V	250
Insulation class	Conforming to VDE 0110		B 250
Dielectric strength (rms voltage)	Between coil and contact	V	2000
	Between poles	V	2000
	Between contacts	V	1000
Ambient air temperature around the device	Storage	°C	- 40...+ 85
	Operation	~ °C	- 20...+ 70
		≡ °C	- 20...+ 70
Vibration resistance	Conforming to IEC 68-2-6		> 5 gn (10...150 Hz)
Degree of protection			IP 40

Characteristics :
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References :
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Dimensions, schemes :
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Setting-up :
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RXN relays characteristics

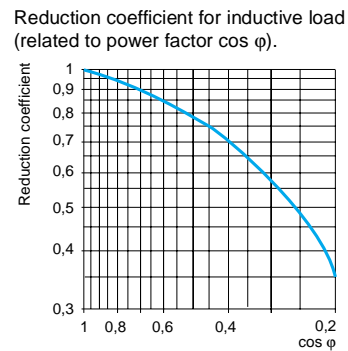
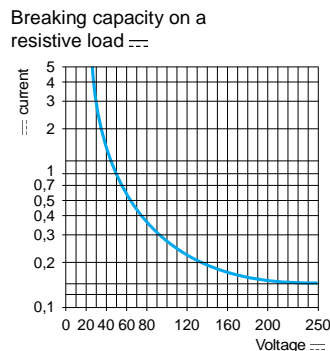
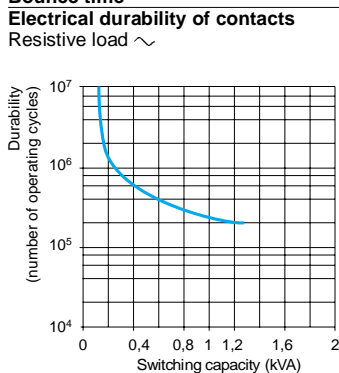
Mechanical durability at rated voltage at 20 °C and at 2 operations/s	In millions of operating cycles	~	20
		---	20
Maximum operating rate In operating cycles/hour	No load		18 000
	Under load		1200
Operating time (response time) at rated voltage and at 20 °C	Between energisation of the coil and making of the on-delay contact	~	ms 10 approx.
		---	ms 13 approx.
	Between de-energisation of the coil and making of the off-delay contact	~	ms 8 approx.
		---	ms 3 approx.

RXN relays control circuit characteristics

Nominal voltage (Un)	~	V	24, 48, 110/115, 230, 50/60 Hz (Other voltages on request)
	---	V	12, 24, 48, 110 (Other voltages on request)
Average consumption	~	VA	1.9 at 60 Hz and 1.6 at 50 Hz
	---	W	0.9
Permissible voltage variation			0.8...1.1 Un (50/60 Hz or ---)
Drop-out voltage threshold	~		> 0.2 Un
	---		> 0.1 Un

RXN relays contact characteristics

Type of relay			RXN-21	RXN-41
Number and type of contacts			2 C/O	4 C/O
Contact material	Single contact		Nickel silver (Ag Ni)	
Conventional thermal current (Ith)	For temperature ≤ 40 °C	A	5	
Minimum switching power			10 mA - 17 V	
Bounce time		ms	2 approx.	



Durability (inductive load) = durability (resistive loads) x reduction coefficient.

Characteristics of socket RXZ-7G

Conventional thermal current (Ith)		A	6
Insulation class	Conforming to VDE 0110		C 250
Degree of protection			IP 20
Cabling to screw connectors	Solid cable without cable end	mm²	2 x 2.5
	Flexible cable without cable end	mm²	2 x 1.5
	Flexible cable with cable end	mm²	2 x 1.5

Characteristics of protection module RXW-040MD

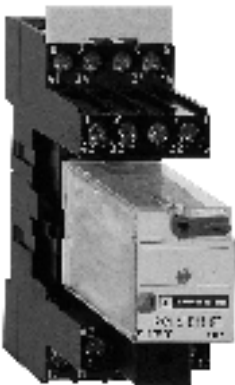
Operational voltage	Freewheel diode	V	--- 12...250
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Plug-in relays

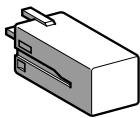
Miniature relays type RXN



RXN-41G11P7



RXZ-1G
+
RXN-41G11FD
+
RXW-040MD
+
RXZ-300



RXW-040MD



RXZ-200

Miniature plug-in control relays, without socket

Standard applications

Contact position indication	"Power on" indication	Number of poles	Sold in lots of	Unit reference. Complete with code indicating control circuit voltage (1)	Weight kg
By mechanical indicator on front face of relay	Without	2	10	RXN-21E11●●	0.034
		4	10	RXN-41G11●●	0.034
	By LED on front face of relay	2	10	RXN-21E12●●	0.034
		4	10	RXN-41G12●●	0.034

Socket (2)

Description	Sold in lots of	Unit reference	Weight kg
Socket (14-pin) (3) With locations for add-on protection modules	10	RXZ-7G	0.060

Add-on protection module

Description	Relay coil voltage	Sold in lots of	Unit reference	Weight kg
Diode module	12...250 V	10	RXW-040MD	0.010

Accessories

Description	Sold in lots of	Unit reference	Weight kg	
Maintaining clamp	10	RXZ-200	0.001	
Customer legend plate (3)	Can be clipped onto socket	10	RXZ-300	0.010
	Can be clipped onto socket in place of module RXW-040MD	10	RXZ-310	0.011

(1) Standard control circuit voltages.

Volts	12	24	48	110	110/115	230
	JD	BD	ED	FD	—	—
	—	B7	E7	—	F7	P7

(2) The same socket can be used irrespective of the type of relay (2 or 4-pole).

(3) Sachet, **RXZ-300**, containing 10 labels is supplied with each **RXZ-7G** socket.

Presentation :
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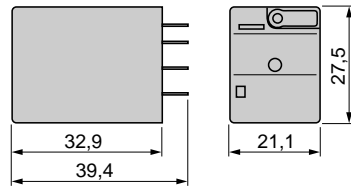
Characteristics :
pages 28021/2 and 28021/3

Dimensions, schemes :
page 28021/5

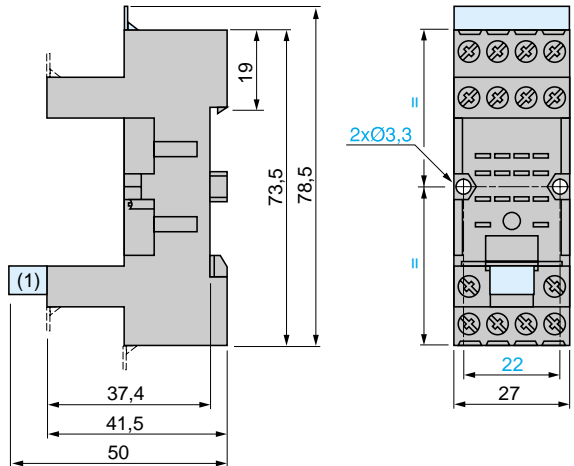
Setting-up :
page 28021/5

Dimensions

Relays
RXN-21E1●●●, RXN-41G1●●●



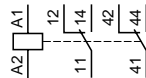
Socket
RXZ-7G



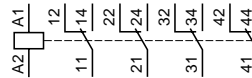
(1) Add-on protection module RXW

Schemes

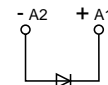
Relays
RXN-21E1●●●



RXN-41G1●●●

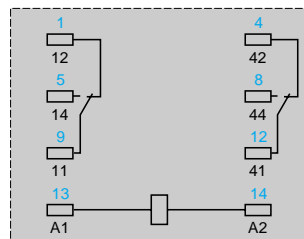


Add-on protection module
RXW-040MD

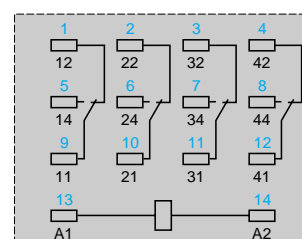


Relay pin and contact referencing

RXN-21E●●●

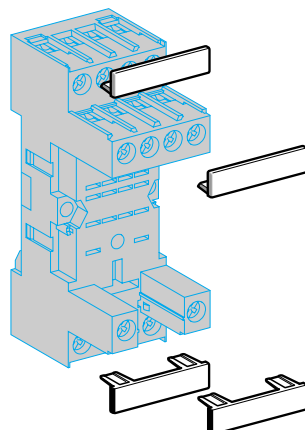


RXN-41G●●●



Setting-up

Customer legend plate RXZ-300



Add-on module RXW-040MD

