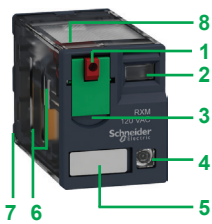


Presentation of the range

The RXM miniature relay range comprises:

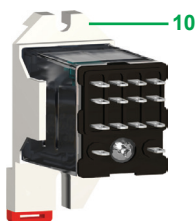
- 1 12 A relays with 2 CO contacts, 10 A relays with 3 CO contacts, 6 A relays with 4 CO contacts, and 3 A "low level" relays with 4 CO contacts (all these relays have the same dimensions)
- 2 Sockets with mixed or separate contact terminals
- 3 Protection modules (diode, RC circuit, or varistor) common to all sockets
- 4 Metal maintaining clamp for all sockets
- 5 Plastic maintaining clamp for all sockets
- 6 2-pole bus jumper that can be used on sockets with separate contact terminals in order to simplify cabling when creating an equipotential link between the coil terminals
- 7 Clip-in legends for all sockets except **RXZE2M114**

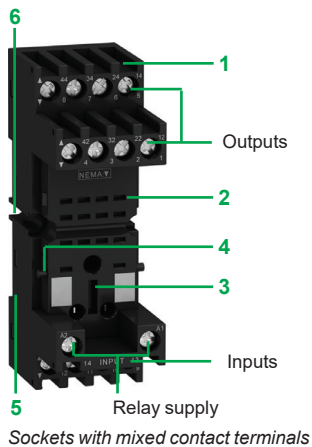
These relays are available in both pre-assembled (single reference) and customer assembled offers.



Relay description

- 1 Spring-return pushbutton for testing the contacts (green: $\overline{\text{---}}$, red: \sim)
- 2 Mechanical "relay status" indicator
- 3 Removable lock-down door enabling forced maintaining of the contacts for test sequences or maintenance purposes
- 4 LED (depending on version) indicating the relay status
- 5 Removable legend for relay identification
- 6 4 notches for rail mounting adapter or panel mounting adapter with mounting lugs
- 7 8, 11, or 14 Faston type pins
- 8 Area by which the product can be easily gripped
- 9 Mounting adapter enabling direct mounting of the relay on a panel
- 10 Mounting adapter enabling direct mounting of the relay on a DIN rail

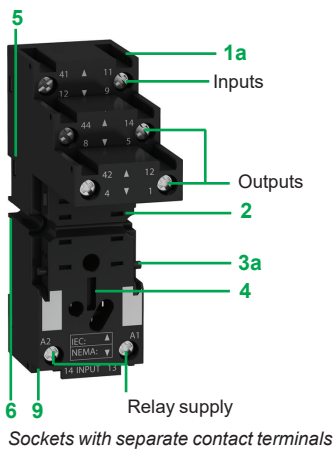




Socket description

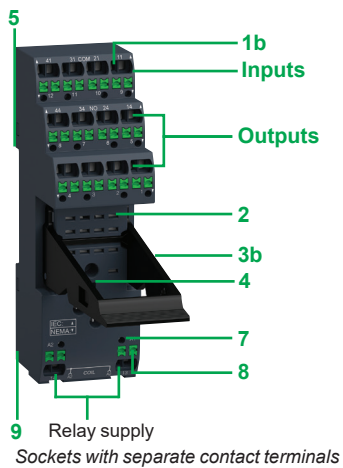
Sockets with mixed contact terminals (1)

- 1 Connection by screw clamp terminals or screw connector
- 2 14 female contacts for the relay pins
- 3 Location for protection modules
- 4 Locking components for plastic and metal maintaining clamps
- 5 Locating slot for mounting on DIN rail with compression spring or mounting clip
- 6 2 or 4 holes for panel mounting



Sockets with separate contact terminals (2)

- 1 a Connection by screw connector
b Connection by push in terminal
- 2 8, 11, or 14 female contacts for the relay pins
- 3 a Locking components for plastic and metal maintaining clamps
b Built-in plastic maintaining clamp for locking components
- 4 Location for protection modules
- 5 Locating slot for mounting on DIN rail with compression spring or mounting clip
- 6 2 holes for panel mounting
- 7 Test point
- 8 Push button to release wire
- 9 Location for bus jumpers



(1) The inputs are mixed with the relay supply, with the outputs being located on the opposite side of the socket.

(2) The inputs and outputs are separate from the relay supply.



Pre-assembled interface relays							
Relays without LED, mounted on sockets with clamp and socket legend (sold in lots of 30)							
Control circuit voltage V	Type of socket	Number and type of contacts - Thermal current (Ith)					
		2 CO - 10 A	4 CO - 6 A	Unit reference	Weight kg/lb	Unit reference	Weight kg/lb
24 $\overline{\text{---}}$	Mixed terminal socket	–	–	RXM4AB1BDPVM (RXM4AB1BD + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB1B7PVM (RXM4AB1B7 + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218
24 \sim		–	–	RXM4AB1P7PVM (RXM4AB1P7 + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB1P7PVS (RXM4AB1P7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249
230 \sim		–	–	RXM4AB2BDPVM (RXM2AB2BD + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB2B7PVM (RXM4AB2B7 + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218
24 $\overline{\text{---}}$	Separate terminal socket	–	–	RXM4AB2P7PVM (RXM2AB2P7 + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB2P7PVS (RXM2AB2P7 + RXZE2S108M + RXZR335 + RXZL520)	0.113/ 0.249
24 \sim		–	–	RXM2AB2BDPVS (RXM2AB2BD + RXZE2S108M + RXZR335 + RXZL520)	0.101/ 0.223	RXM4AB2B7PVS (RXM4AB2B7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249
230 \sim		–	–	RXM2AB2P7PVS (RXM2AB2P7 + RXZE2S108M + RXZR335 + RXZL520)	0.101/ 0.223	RXM4AB2P7PVS (RXM4AB2P7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249

Relays with LED, mounted on sockets with clamp and socket legend (sold in lots of 30)							
24 $\overline{\text{---}}$	Mixed terminal socket	RXM2AB2BDPVM (RXM2AB2BD + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB2BDPVM (RXM4AB2BD + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB2BDPVS (RXM4AB2BD + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249
24 \sim		RXM2AB2B7PVM (RXM2AB2B7 + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB2B7PVM (RXM4AB2B7 + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB2B7PVS (RXM4AB2B7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249
230 \sim		RXM2AB2P7PVM (RXM2AB2P7 + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB2P7PVM (RXM4AB2P7 + RXZE2M114M + RXZR335 + RXZL520)	0.099/ 0.218	RXM4AB2P7PVS (RXM4AB2P7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249
24 $\overline{\text{---}}$	Separate terminal socket	RXM2AB2BDPVS (RXM2AB2BD + RXZE2S108M + RXZR335 + RXZL520)	0.101/ 0.223	RXM4AB2BDPVS (RXM4AB2BD + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249	RXM4AB2BDPVS (RXM4AB2BD + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249
24 \sim		RXM2AB2B7PVS (RXM2AB2B7 + RXZE2S108M + RXZR335 + RXZL520)	0.101/ 0.223	RXM4AB2B7PVS (RXM4AB2B7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249	RXM4AB2B7PVS (RXM4AB2B7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249
230 \sim		RXM2AB2P7PVS (RXM2AB2P7 + RXZE2S108M + RXZR335 + RXZL520)	0.101/ 0.223	RXM4AB2P7PVS (RXM4AB2P7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249	RXM4AB2P7PVS (RXM4AB2P7 + RXZE2S114M + RXZR335 + RXZL520)	0.113/ 0.249



RXM2AB1BD



RXM2AB1F7



RXM2AB2ED



RXM2AB2F7



RXM4GB1BD



RXM4GB1P7



RXM4GB2BD



RXM4GB2F7

Miniature relays for customer assembly

RXM miniature relays without LED (sold in lots of 10)

Control circuit voltage V	Number and type of contacts - Thermal current (Ith)					
	2 CO - 12 A		3 CO - 10 A		4 CO - 6 A	
	Unit reference	Weight kg/lb	Unit reference	Weight kg/lb	Unit reference	Weight kg/lb
12 ---	RXM2AB1JD	0.037/0.082	RXM3AB1JD	0.037/0.082	RXM4AB1JD	0.037/0.082
24 ---	RXM2AB1BD	0.037/0.082	RXM3AB1BD	0.037/0.082	RXM4AB1BD	0.037/0.082
48 ---	RXM2AB1ED	0.037/0.082	RXM3AB1ED	0.037/0.082	RXM4AB1ED	0.037/0.082
110 ---	RXM2AB1FD	0.037/0.082	RXM3AB1FD	0.037/0.082	RXM4AB1FD	0.037/0.082
220 ---	—	—	—	—	RXM4AB1MD	0.037/0.082
24 ~	RXM2AB1B7	0.037/0.082	RXM3AB1B7	0.037/0.082	RXM4AB1B7	0.037/0.082
48 ~	RXM2AB1E7	0.037/0.082	RXM3AB1E7	0.037/0.082	RXM4AB1E7	0.037/0.082
120 ~	RXM2AB1F7	0.037/0.082	RXM3AB1F7	0.037/0.082	RXM4AB1F7	0.037/0.082
230 ~	RXM2AB1P7	0.037/0.082	RXM3AB1P7	0.037/0.082	RXM4AB1P7	0.037/0.082
240 ~	—	—	—	—	RXM4AB1U7	0.037/0.082

RXM miniature relays with LED (sold in lots of 10)

12 ---	RXM2AB2JD	0.037/0.082	RXM3AB2JD	0.037/0.082	RXM4AB2JD	0.037/0.082
24 ---	RXM2AB2BD	0.037/0.082	RXM3AB2BD	0.037/0.082	RXM4AB2BD	0.037/0.082
48 ---	RXM2AB2ED	0.037/0.082	—	—	RXM4AB2ED	0.037/0.082
110 ---	RXM2AB2FD	0.037/0.082	RXM3AB2FD	0.037/0.082	RXM4AB2FD	0.037/0.082
125 ---	—	—	—	—	RXM4AB2GD	0.037/0.082
24 ~	RXM2AB2B7	0.037/0.082	RXM3AB2B7	0.037/0.082	RXM4AB2B7	0.037/0.082
48 ~	RXM2AB2E7	0.037/0.082	RXM3AB2E7	0.037/0.082	RXM4AB2E7	0.037/0.082
120 ~	RXM2AB2F7	0.037/0.082	RXM3AB2F7	0.037/0.082	RXM4AB2F7	0.037/0.082
230 ~	RXM2AB2P7	0.037/0.082	RXM3AB2P7	0.037/0.082	RXM4AB2P7	0.037/0.082

RXM miniature relays with low level contacts, without LED (sold in lots of 10)

Control circuit voltage V	Number and type of contacts Thermal current (Ith)	
	Unit reference	Weight kg/lb
12 ---	RXM4GB1JD	0.037/0.082
24 ---	RXM4GB1BD	0.037/0.082
24 ~	RXM4GB1B7	0.037/0.082
48 ~	RXM4GB1E7	0.037/0.082
120 ~	RXM4GB1F7	0.037/0.082
230 ~	RXM4GB1P7	0.037/0.082

RXM miniature relays with low level contacts, with LED (sold in lots of 10)

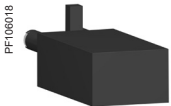
12 ---	RXM4GB2JD	0.037/0.082
24 ---	RXM4GB2BD	0.037/0.082
48 ---	RXM4GB2ED	0.037/0.082
125 ---	RXM4GB2GD	0.037/0.082
220 ---	RXM4GB2MD	0.037/0.082
24 ~	RXM4GB2B7	0.037/0.082
48 ~	RXM4GB2E7	0.037/0.082
120 ~	RXM4GB2F7	0.037/0.082
230 ~	RXM4GB2P7	0.037/0.082
240 ~	RXM4GB2U7	0.037/0.082



RXZE2M114M



RXZE14P



RXM04177

Sockets					
Contact terminal arrangement	Connection	Relay type	Sold in lots of	Unit reference	Weight kg/lb
Mixed	Screw clamp	RXM2●●●●● (3) RXM4●●●●●	10	RXZE2M114 (1)	0.048/0.106
	Screw connector	RXM2●●●●● (3) RXM4●●●●●	10	RXZE2M114M (1)	0.056/0.124
Separate	Push-in terminal	RXM2●●●●● RXM4●●●●●	10	RXZE14P	0.080/0.176
	Screw connector	RXM2●●●●●	10	RXZE2S108M (2)	0.058/0.128
		RXM3●●●●●	10	RXZE2S111M (1)	0.066/0.146
		RXM4●●●●●	10	RXZE2S114M (1)	0.070/0.154

Protection modules					
Description	Voltage V	For use with	Sold in lots of	Unit reference	Weight kg/lb
Diode	6...250 ---	All sockets	10	RXM040W	0.003/0.007
RC circuit	24...60 ~	All sockets	10	RXM041BN7	0.010/0.022
	110...240 ~	All sockets	10	RXM041FU7	0.010/0.022
Varistor	6...24 ~/---	All sockets	10	RXM021RB	0.030/0.066
	24...60 ~/---	All sockets	10	RXM021BN	0.030/0.066
	110...240 ~/---	All sockets	10	RXM021FP	0.030/0.066

Timing relays			
Description	For use with	Unit reference	Weight kg/lb
2 or 4 timed CO contacts (function A)	RXZE●●●●● sockets	REXL2●● (4)	—
		REXL4●● (4)	—

(1) Thermal current (Ith): 10 A.
 (2) Thermal current (Ith): 12 A.
 (3) When mounting relay RXM2●●●●● on socket RXZE2M●●●●●, the thermal current should not exceed 10 A.
 (4) Please refer to "Harmony Timer Relays" catalog.
 (5) Test button becomes inaccessible.



REXL4●●



RXZR315



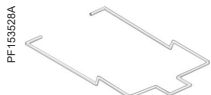
RXZS2



RSZS02



RXZE2FA



RXZ400



RXZL520

Accessories

Description	For use with	Sold in lots of	Unit reference	Weight kg/lb
Metal maintaining clamp	All sockets	10	RXZ400	0.001/0.002
Plastic maintaining clamp	All sockets except push-in socket RXZE14P	10	RXZR335	0.005/0.011
	RXZE14P	10	RXZR315	0.004/0.009
2-pole bus jumper (lth: 5 A)	All screw sockets with separate contacts (RXZE2S●●●●)	10	RXZS2	0.005/0.011
Bus jumper (10 x 2-pole jumper)	For input (A2) of RXZE push in sockets (RXZE14P)	10	RSZS02	0.002/0.004
Mounting adapter with panel mounting lugs	RXM2●●●●● RXM3●●●●●	10	RXZE2FA	0.002/0.004
Clip-in legends	All relays (sheet of 108 legends)	10	RXZL520	0.080/0.176
	RXZE14P	10	RXZL300	0.004/0.009
	All sockets except RXZE2M114	10	RXZL420	0.001/0.002

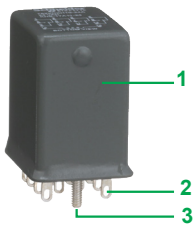
(1) Thermal current (lth): 10 A.

(2) Thermal current (lth): 12 A.

(3) When mounting relay RXM2●●●●● on socket RXZE2M●●●●, the thermal current should not exceed 10 A.

(4) Please refer to "Harmony Timer Relays" catalog.

(5) Test button becomes inaccessible.



Presentation of the range

The hermetically sealed 782H series relays comply with UL Class I Division 2 requirements for use in hazardous locations. They are suitable for installation in harsh, hazardous, and corrosive environments like offshore mining and refineries in the oil and gas, petrochemical, chemical, and mines and minerals sectors.

782H hermetically sealed relays comprise:

- Relays with 3 A/5 A, 2 CO/4 CO contacts
- Sockets with multiple configuration, finger-safe according to IP20, and compatible with DIN rail or panel mounting
- Accessories (protection modules and/or LED indicator)

These relays are available in panel, DIN rail, PCB, and chassis mount versions.

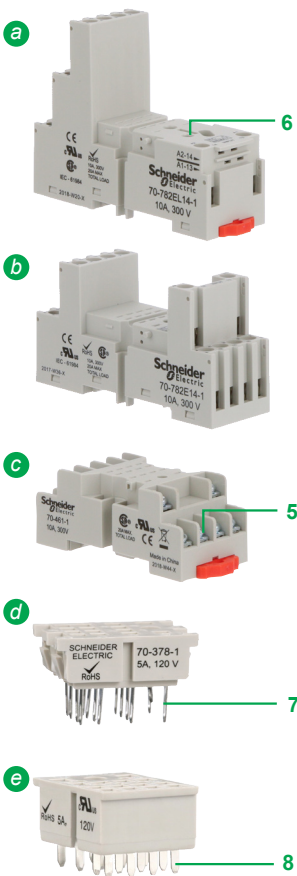
Description

Relay

- 1 Hermetically sealed enclosure
- 2 Flat (Plug-in type) terminal
- 3 Stub to mount in panel

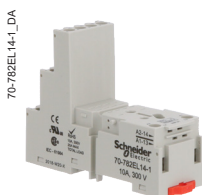
Socket

- 4 There are different types of sockets:
 - DIN rail or panel mount sockets
 - a with screw connector
 - b with screw connector
 - c with screw clamp terminals
 - Other types of terminals
 - d Solder terminals for chassis mount
 - e Printed circuit terminals for PCB mount
- 5 Connection by screw connector
- 6 Location for protection modules
- 7 Solder lug
- 8 PCB pins





782DXH21-12D



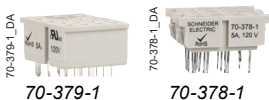
70-782EL14-1



70-782E14-1

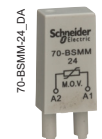


70-461-1

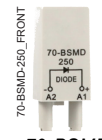


70-379-1

70-378-1



70-BSMM-24



70-BSMD-250



70-BSMLG-24



16-1342



RXZS2

Plug-in relays						
782H hermetically sealed relays (sold in lots of 10)						
Coil voltage	Contact type - Thermal current (Ith)					
	4 CO - 3 A		4 CO - 5 A		2 CO - 5 A	
V	Unit reference	Weight kg/lb	Unit reference	Weight kg/lb	Unit reference	Weight kg/lb
6 ~	782DXH10-6A	0.045/0.099	-	-	-	-
24 ~	782DXH10-24A	0.045/0.099	-	-	-	-
120 ~	782DXH10-120A	0.045/0.099	782DXH21-120A	0.045/0.099	-	-
240 ~	782DXH10-240A	0.045/0.099	782DXH21-240A	0.045/0.099	-	-
6 ---	782DXH10-6D	0.045/0.099	-	-	-	-
12 ---	782DXH10-12D	0.045/0.099	782DXH21-12D	0.045/0.099	-	-
24 ---	782DXH10-24D	0.045/0.099	782DXH21-24D	0.045/0.099	782XBXH21-24D	0.045/0.099
48 ---	-	-	782DXH21-48D	0.045/0.099	-	-
110 ---	782DXH10-110D	0.045/0.099	-	-	-	-

Sockets for all 782H relays					
Contact terminal arrangement	Connection	Mounting	Unit reference	Sold in lots of	Weight Kg/lb
Mixed	Screw clamp terminals	DIN rail/ Panel	RXZE2M114 (1)	10	0.07/0.154
	Screw connector		RXZE2M114M (1) 70-782E14-1		0.06/0.132
	Screw clamp terminals		70-461-1		0.044/0.097
Separate	Screw connector		RXZE2S114M (1) 70-782EL14-1		0.06/0.132
	Solder terminals	Chasis	70-378-1		0.007/0.015
	Printed circuit terminals	PCB	70-379-1		0.007/0.015

Protection modules					
Description	For use with sockets	Coil voltage	Unit reference	Sold in lots of	Weight Kg/lb
Diode	70-782EL14-1, 70-782E14-1	6 to 250 ---	70-BSMD-250	10	-
MOV suppressor		24 ~	70-BSMM-24		-
		120 ~	70-BSMM-120		-
		240 ~	70-BSMM-240		-
LED indicator		24 ~	70-BSMLG-24		-

Accessories					
Description	For use with sockets	Unit reference	Sold in lots of	Weight Kg/lb	
Metal spring clip	All sockets	16-1342	10	-	
Plastic ID tag	70-782E14-1, 70-782EL14-1	RXZL420		-	
Insulated coil bus jumper system	70-782EL14-1	RXZS2		-	

(1) 782H relays are:

- UL Recognized when used with RXZE sockets
- UL Listed when used with 70-782 sockets