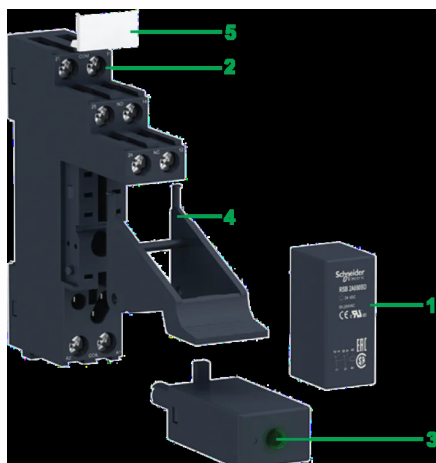


Presentation and description

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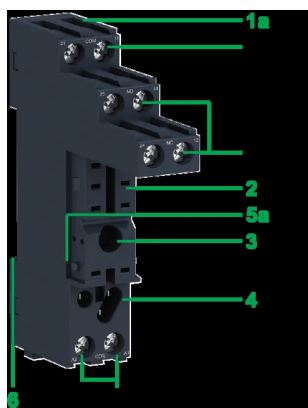


Presentation of the range

The RSB interface relay range comprises:

- 1 12 A relays with 1 CO contact, 16 A relays with 1 CO contact, and 8 A relays with 2 CO contacts
- 2 Sockets with separate contact terminals
- 3 Protection modules (diode, diode + LED, RC circuit, or varistor + LED) common to all sockets
- 4 A plastic maintaining clamp for all sockets
- 5 Clip-in legend for all sockets

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

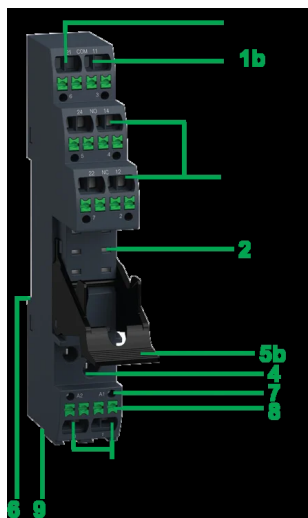


Socket description

Sockets with separate contact terminals (1)

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

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





RSB2A080F7PV

Pre-assembled interface relays

Relays mounted on screw connector separate terminal sockets with protection module, clamp and label
(sold in lots of 30)

Control circuit voltage V	Pre-assembled unit reference	Components in pre-assembled unit reference					Weight kg/lb
		Relay	Socket	Clamp	Protection module (with LED)	Socket label	
1 CO contact - 12A thermal current (lth)							
12 ˉˉˉ	RSB1A120JDPV	RSB1A120JD	RSZE1S35M	RSZR215	RZM031RB	RSZL300	0.050/0.110
24 ˉˉˉ	RSB1A120BDPV	RSB1A120BD	RSZE1S35M	RSZR215	RZM031RB	RSZL300	0.050/0.110
24 ˘˘˘	RSB1A120B7PV	RSB1A120B7	RSZE1S35M	RSZR215	RZM021RB	RSZL300	0.050/0.110
120 ˘˘˘	RSB1A120F7PV	RSB1A120F7	RSZE1S35M	RSZR215	RZM021FP	RSZL300	0.050/0.110
230 ˘˘˘	RSB1A120P7PV	RSB1A120P7	RSZE1S35M	RSZR215	RZM021FP	RSZL300	0.050/0.110
1 CO contact - 16A thermal current (lth)							
24 ˉˉˉ	RSB1A160BDPV	RSB1A160BD	RSZE1S48M	RSZR215	RZM031RB	RSZL300	0.057/0.126
230 ˘˘˘	RSB1A160P7PV	RSB1A160P7	RSZE1S48M	RSZR215	RZM021FP	RSZL300	0.057/0.126
2 CO contact - 8A thermal current (lth)							
12 ˉˉˉ	RSB2A080JDPV	RSB2A080JD	RSZE1S48M	RSZR215	RZM031RB	RSZL300	0.057/0.126
24 ˉˉˉ	RSB2A080BDPV	RSB2A080BD	RSZE1S48M	RSZR215	RZM031RB	RSZL300	0.057/0.126
24 ˘˘˘	RSB2A080B7PV	RSB2A080B7	RSZE1S48M	RSZR215	RZM021RB	RSZL300	0.057/0.126
120 ˘˘˘	RSB2A080F7PV	RSB2A080F7	RSZE1S48M	RSZR215	RZM021FP	RSZL300	0.057/0.126
220 ˘˘˘	RSB2A080M7PV	RSB2A080M7	RSZE1S48M	RSZR215	RZM021FP	RSZL300	0.057/0.126
230 ˘˘˘	RSB2A080P7PV	RSB2A080P7	RSZE1S48M	RSZR215	RZM021FP	RSZL300	0.057/0.126

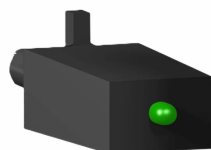
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RSB1A120JD + RZM031RB +
RSZE1S35M

RSB1A160JD + RSZE1S48M



RSZE05P



RZM021RB

Interface relays for customer assembly

RSB interface relays for standard applications (sold in lots of 10)

Control circuit voltage V	Number and type of contacts - Thermal current (Ith)			Weight kg/lb
	1 CO - 12 A	1 CO - 16 A	2 CO - 8 A	
	Unit reference	Unit reference	Unit reference	
6 ---	-	RSB1A160RD	-	0.014/0.031
12 ---	RSB1A120JD	RSB1A160JD	RSB2A080JD	0.014/0.031
24 ---	RSB1A120BD	RSB1A160BD	RSB2A080BD	0.014/0.031
48 ---	RSB1A120ED	RSB1A160ED	RSB2A080ED	0.014/0.031
60 ---	-	RSB1A160ND	-	0.014/0.031
110 ---	RSB1A120FD	RSB1A160FD	RSB2A080FD	0.014/0.031
24 ~	RSB1A120B7	RSB1A160B7	RSB2A080B7	0.014/0.031
48 ~	RSB1A120E7	RSB1A160E7	RSB2A080E7	0.014/0.031
120 ~	RSB1A120F7	RSB1A160F7	RSB2A080F7	0.014/0.031
220 ~	RSB1A120M7	RSB1A160M7	RSB2A080M7	0.014/0.031
230 ~	RSB1A120P7	RSB1A160P7	RSB2A080P7	0.014/0.031
240 ~	RSB1A120U7	RSB1A160U7	RSB2A080U7	0.014/0.031

Sockets for interface relays

Sockets with separate contact terminal arrangement and screw connector connection

Rated insulation voltage	Thermal current (Ith)	Relay type	Sold in lots of	Unit Reference	Weight kg/lb
250 V ~	12 A	RSB1A120●●	10	RSZE1S35M	0.060/0.132
	10 A (1)	RSB1A160●● (2)	10	RSZE1S48M	0.050/0.110
		RSB2A080●●			

Sockets with separate contact terminal arrangement, push-in terminals, with built-in clamp

250 V ~	12 A	RSB1A●●●●●	10	RSZE05P	0.037/0.082
	10 A	RSB1A160●● (2)	10	RSZE08P	0.042/0.093
		RSB2A080●●			

Protection modules

Description	For use with	Voltage V	Sold in lots of	Unit Reference	Weight kg/lb
Diode	All sockets	6...230 ---	10	RZM040W	0.003/0.007
RC circuit	All sockets	24...60 ~	10	RZM041BN7	0.010/0.022
		110...240 ~	10	RZM041FU7	0.010/0.022
		6...24 ---	10	RZM031RB	0.004/0.009
Diode + green LED	All sockets	24...60 ---	10	RZM031BN	0.004/0.009
		110...230 ---	10	RZM031FPD	0.004/0.009
		6...24 ---/~	10	RZM021RB	0.005/0.011
Varistor + green LED	All sockets	24...60 ---/~	10	RZM021BN	0.005/0.011
		110...230 ---/~	10	RZM021FP	0.005/0.011

(1) RSZE1S48M is a two-terminal socket, each carrying 10 A.

(2) If RSZE1S48M/RSZE08P socket terminals are linked, relay RSB1A160pp can be used up to 16 A. See "Wiring diagrams" on



RSZR215



RGZS08



RSZS02

Accessories				
Description	For use with	Sold in lots of	Unit Reference	Weight kg/lb
Plastic maintaining clamp	All sockets	10	RSZR215	0.002/0.004
Legend	All sockets	10	RSZL300	0.001/0.002
Bus jumper (8-pole jumper)	For inputs (A1, A2) of RSZE screw sockets (RSZE1S35M, RSZE1S48M)	10	RGZS08	0.006/0.013
Bus jumper (2-pole jumper)	For input (A2) of RSZE push-in sockets (RSZE05P, RSZE08P)	10	RSZS02	0.002/0.004

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