

Zelio™ RSB Interface Relays

Zelio RSB interface relays and sockets provide the optimum combination of robust performance and space saving for the most demanding applications. Relays are rated at 8 A, 12 A, and 16 A (250 Vac / 28 Vdc). Features include:

- Optional protection modules for protection against electrical transients
- Optional plastic hold-down ejector clips
- Socket or printed circuit board installation options

Refer to [Online Relay Configurator](#).



RSB1A160F7



RSB2A080BD



RSZE1S48M



RSB1A120JD Relay
+ RZM031FPD Socket
+ RSZE1S35M Module



RSB1A160BD Relay
+ RSZE1S48M Socket

Table 23.5: Relays (sold in lots of 10)

Coil Voltage	Number and type of contacts - Thermal current (Ith)		
	SPDT (1 C/O) -12 A Res.	SPDT (1 C/O) -16 A Res.	DPDT (2 C/O) -8 A Res.
	Catalog Number ^[3]	Catalog Number ^[3]	Catalog Number ^[3]
6 Vdc	RSB1A120RD	RSB1A160RD	RSB2A080RD
12 Vdc	RSB1A120JD	RSB1A160JD	RSB2A080JD
24 Vdc	RSB1A120BD	RSB1A160BD	RSB2A080BD
48 Vdc	RSB1A120ED	RSB1A160ED	RSB2A080ED
60 Vdc	RSB1A120ND	RSB1A160ND	RSB2A080ND
110 Vdc	RSB1A120FD	RSB1A160FD	RSB2A080FD
24 Vac	RSB1A120B7	RSB1A160B7	RSB2A080B7
48 Vac	RSB1A120E7	RSB1A160E7	RSB2A080E7
120 Vac	RSB1A120F7	RSB1A160F7	RSB2A080F7
220 Vac	RSB1A120M7	RSB1A160M7	RSB2A080M7
230 Vac	RSB1A120P7	RSB1A160P7	RSB2A080P7
240 Vac	RSB1A120U7	RSB1A160U7	RSB2A080U7

Table 23.6: Sockets – 12 A, 300 Vac (sold in lots of 10)

Contact Terminal Arrangement	Connection	For Use with Relays	Catalog Number
Separate ^[4]	Box lug connector	RSB1A120**	RSZE1S35M
		RSB1A160** ^[5]	RSZE1S48M
		RSB2A080**	

Table 23.7: Protection Modules (sold in lots of 10)

Description	Compatibility	Voltage	Catalog Number	
Diode	RSZ***** sockets (RSB series), RGZ***** sockets (RXG series)	6–230 Vdc	RZM040W	
RC circuit		24–60 Vac	RZM041BN7	
		110–240 Vac	RZM041FU7	
Diode + green LED		6–24 Vdc	RZM031RB	
		24–60 Vdc	RZM031BN	
Varistor + green LED		110–230 Vdc	RZM031FPD	
		6–24 Vac/Vdc	RZM021RB	
		24–60 Vac/Vdc	RZM021BN	
			110–230 Vac/Vdc	RZM021FP

Table 23.8: Accessories (sold in lots of 10)

Description	Compatibility	Catalog Number
Plastic hold-down ejector clip	RSZ***** sockets (RSB series)	RSZR215
ID tags		RSZL300

Approvals for RSB Relays

File: E173076
CCN: NRNT2, NRNT8
File: 215736
Class: 3211 07
IEC 61810-1
RoHS Compliant

Approvals for RSZ Sockets

File: E173076
CCN: NRNT2, NRNT8
File: 254977
Class: 3211 07
IEC 61810-1
RoHS Compliant

- RZM modules are RoHS compliant.
- For mounting track, see [Mounting Track, End Clamps, Jumpers, Fanning Strips](#), page 24-19.

^[3] To order a relay complete with socket (sold in lots of 20): add suffix S to the catalog numbers selected above.
Example: RSB 2A080RD + RSZ E1S48M becomes RSB 2A080RDS.

^[4] The inputs and outputs are on separate sides.

^[5] When using the RSB1A160** relay with socket RSZ E1S48M, terminals 11 and 21, 14 and 24, 12 and 22 must be linked.