

ZB - BRB932A

Datasheet

AC Immune DC biased line relay



Description

The relays covered by this data sheet are for use in line circuits where operation of the relay is required to be dependant on the polarity of the current in the coil. They are also suitable when alternating current at industrial frequency may be present in the circuit.

Mors Smitt Relays

- Modular plug in design.
- Non weld contacts.
- Silver and carbon impregnated with silver contact tips.
- Proven reliability.
- Low life cycle cost.

Specification	Network Rail Acceptance Number	Pin Code (Pins)	Contacts	Rated Voltage	Reference	Mors Smitt Catalogue Number	GEC Catalogue Number
BRB932A	PA05/04802	025 (A, B, F, G & H)	8F 4B	24 V D.C.	BA	TY084/GRP02	ZB3521
BRB932A	PA05/04802	026 (A, C, D, E & H)	8F 8B	24 V D.C.	BA	TY084/GRP03	ZB4521
BRB932A	PA05/04802	025 (A, B, F, G & H)	12F 4B	24 V D.C.	BA	TY084/GRP01	ZB5521
BRB932A	PA05/04802	027 (A, C, D, F & H)	8F 4B	50 V D.C.	BA	TY084/GRP07	ZB3622
BRB932A	PA05/04802	028 (A, C, D, G & H)	8F 8B	50 V D.C.	BA	TY084/GRP08	ZB4622
BRB932A	PA05/04802	027 (A, C, D, F & H)	12F 4B	50 V D.C.	BA	TY084/GRP06	ZB5622

Weight	Contact Resistance	Contact Rating	Full Release	Release	Full Operate	Power Consumption	Coil Resistance	GEC Catalogue Number
1.4 kg	0.2 Ω	3 A	2.0 V	3.6 V	19.2 V	2.3 W	250 Ω	ZB3521 ZB4521 ZB5521
1.4 kg	0.2 Ω	3 A	4.0 V	7.5 V	40.0 V	2.7 W	950 Ω	ZB3522 ZB4522 ZB5522

Contact Arrangements.

REAR VIEW OF RELAY

	A	B	C	D		
1	F	F	F	F	1	
2	F	F	F	F	2	
3	F	F	F	F	3	
4	F	F	F	F	4	
5	B	F	F	B	5	
6	B	F	F	B	6	
7	B	F	F	B	7	
8	B	F	F	B	8	
R1	COIL +			COIL -		R2
R3						R4

12F 4B

ZB5521 & ZB5622

REAR VIEW OF RELAY

	A	B	C	D		
1	F	F		F	1	
2	F	F		F	2	
3	F	F		F	3	
4	F	F		F	4	
5	B	F		B	5	
6	B	F		B	6	
7	B	F		B	7	
8	B	F		B	8	
R1	COIL +			COIL -		R2
R3						R4

8F 4B

ZB3521 & ZB3622

REAR VIEW OF RELAY

	A	B	C	D		
1	F	F	F	F	1	
2	F	F	F	F	2	
3	F	F	F	F	3	
4	F	F	F	F	4	
5	B	B	B	B	5	
6	B	B	B	B	6	
7	B	B	B	B	7	
8	B	B	B	B	8	
R1	COIL +			COIL -		R2
R3						R4

8F 8B

ZB4521 & ZB4622

F = Front contact, which is made when the relay is energised. This is a normally open contact.

B = Back contact, which is made when the relay is de-energised and the armature has completed its maximum travel. This is a normally closed contact.



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