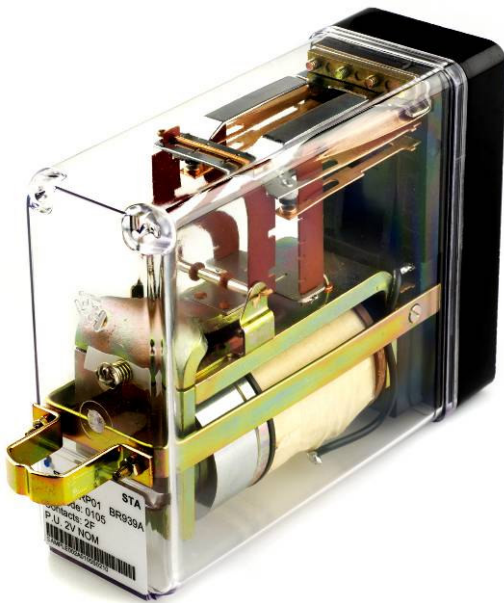


ZA - BRB938A, 939A, BRB966 F2 & 968

Datasheet

D.C. neutral track relay



Description

The relays covered by BRB938A are for use on railways signalling track circuits not electrified on the 50 Hz AC system.

The relays covered by BRB939A and BRB966 F2 are for use on railways signalling track circuits electrified on the 50 Hz AC system.

The relays covered by BRB968 are for use in circuits with Aster type 'U' jointless track circuit equipment where alternating current at industrial frequency may be present in the circuit.

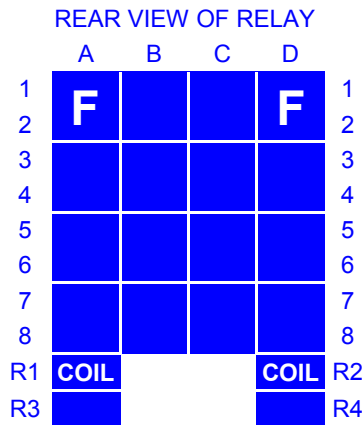
Mors Smitt Relays

- 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 Current/ Voltage	Reference	Mors Smitt Catalogue Number	GEC Catalogue Number
BRB938A	PA05/04802	101 (A, C, F, G, K)	2F	500 mA D.C.	T	TY150/GRP01	ZA0011
BRB968	PA05/04802	111 (A, D, F, G, K)	2F	17 V D.C.	T	TY152/GRP01	ZA0021
BRB939A	PA05/04802	105 (A, C, G, J & K)	2F	400 mA D.C.	TA	TY153/GRP01	ZA0051
BRB966 F2	PA05/04802	110 (A, D, E, J & K)	2F	400 mA D.C.	TA	TY153/GRP02	ZA0151

Weight	Contact Resistance	Contact Rating	Release	Full Operate	Operate	Coil Resistance	Mors Smitt Catalogue Number
1.4 kg	0.2 Ω	3 A	0.68 x Operate (mA)	146 mA	103 - 117 mA 370—515 mV	4 Ω	ZA0011
1.4 kg	0.2 Ω	3 A	48 mA and 10.8 V	1.25 x Operate mA	68 mA and 18.7 V	250 Ω	ZA0021
1.6 kg	0.2 Ω	3 A	0.68 x Operate (mA)	115 mA	81 mA - 92 mA	20 Ω	ZA0051
1.6 kg	0.2 Ω	3 A	0.68 x Operate (mA)	175 mA	120 mA - 140 mA	9 Ω	ZA0151

Contact Arrangements.



2F

ZA0011, ZA0021, ZA0051 &
ZA0151

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.



**MORS
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