



ZQ - BRB940A, BRB941A, BRB942 & BRB945 Datasheet

Lamp proving relays



Description

The relays covered by BRB940A are designed as lamp proving relays where the lamp is energised by a battery or rectified AC supply.

The relays covered by BRB941A are designed as lamp proving relays for AC circuits where the relay is connected in series with the lamp.

The relays covered by BRB942 are designed as lamp proving relays where the relay is connected in series with the primary winding of the lamp transformer.

The relays covered by BRB945 are designed as lamp proving relays for flashing lamps with a DC supply. Typically BRB945 relays are used for flashing road signals at level crossings.

Mors Smitt UK Relays.

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

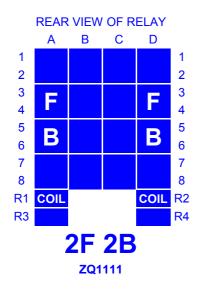


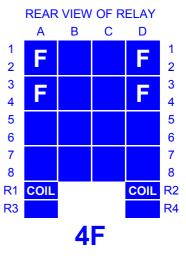
GEC Catalogue	Mors Smitt Catalogue Number	Reference	Rated Current	Contacts	Pin Code (Pins)	Network Rail Acceptance Number	Specification
ZQ1111	TY132/GRP01	UCX	1.4 A A.C.	2F 2B	070 (A, F, G, H, J)	PA05/04802	BRB942
ZQ1211	TY133/GRP01	EC	2.2 A D.C.	4F	081 (A, B, D, J, K)	PA05/04802	BRB940A
ZQ1411	TY133/GRP03	ECF	4.0 A D.C.	4F	091 (A, B, H, J, K)	PA05/04802	BRB945
ZQ4011	TY132/GRP02	ECX	400 mA A.C.	4F	071 (A, B, C, D, K)	PA05/04802	BRB941A

GEC Catalogue Number	Coil Resistance	Full Operate	Release	Full Release	Minimum Release Delay	Contact Rating	Contact Resistance	Weight
ZQ1111	0.35Ω	780mA	590mA	520mA	N/A	3A	0.2Ω	1.3Kg
ZQ1211	0.85 Ω	0.8 A	N/A	200 mA	N/A	3 A	0.2 Ω	1.4 kg
ZQ1411	0.25 Ω	1.0 A	N/A	200 mA	100 ms @ 1.5 A	3 A	0.2 Ω	1.4 kg
ZQ4011	31 Ω	180 mA	N/A	110 mA	100 ms @ 180 mA 200 ms @ 250 mA	3 A	0.2 Ω	1.3 kg



Contact Arrangements.





ZQ1211, ZQ1411 & ZQ4011

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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