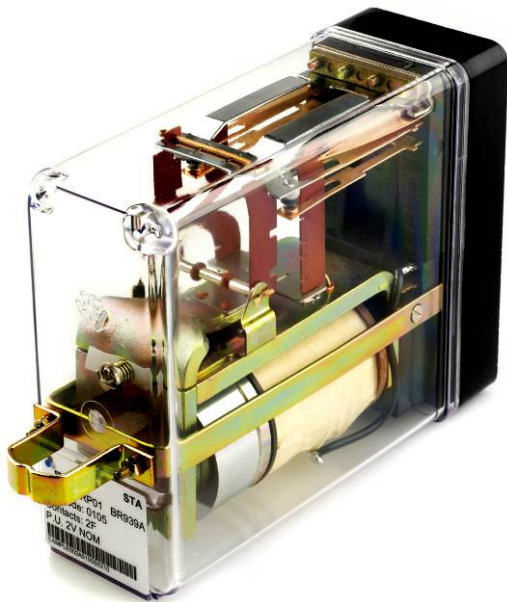


TY153/GRP10-11 - BRB940 - QECR2

Datasheet

D.C. Lamp proving relays



Description

The relays covered by this data sheet are designed as lamp proving relays for 110V DC 12 W LED signalling lamps. These relays are based on the BRB940A specification.

Mors Smitt Relays

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

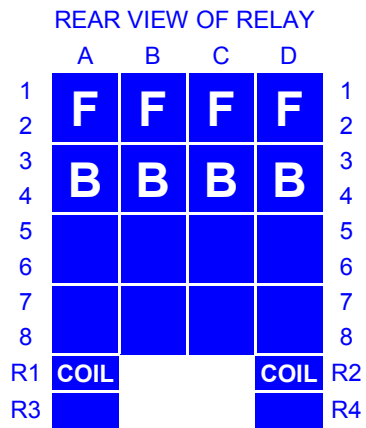
Specification	Network Rail Acceptance Number	Pin Code (Pins)	Contacts	Rated Current	Mors Smitt Reference (Westinghouse Reference)	Mors Smitt Catalogue Number
(BRB940) [†]	N/A	(A, B, D, H & J)	4F 4B	200 mA DC	SECR2 (QECR2)	TY153/GRP10
(BRB940) [†]	N/A	(C, F, K, M & X)	4F 4B	400 mA DC	SECR1 (QECR1)	TY153/GRP11

NOTE:

[†] Specification in brackets where the relay is nominally to that specification but with specific characteristics modified to suit special applications.

Weight	Contact Resistance	Contact Rating	Coil Interrupt	Release	Full Operate	Coil Resistance	Mors Smitt Catalogue Number
1.6 kg	0.2 Ω	3 A	100 ms @ 132 mA	55 mA	80 mA	45.5 Ω	TY153/GRP10
1.6 kg	0.2 Ω	3 A	100 ms @ 250 mA 150 ms @ 350 mA	50 mA	220 mA	12.4 Ω	TY153/GRP11

Contact Arrangements.



4F 4B

TY153/GRP10 & TY153/GRP11

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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