



# 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



Mors Smitt Catalogue Num- ber	Mors Smitt Reference (Westinghouse Reference)	Rated Current	Contacts	Pin Code (Pins)	Network Rail Ac- ceptance Num- ber	Specification
TY153/GRP10	SECR2 (QECR2)	200 mA DC	4F 4B	(A, B, D, H & J)	N/A	(BRB940) <sup>†</sup>
TY153/GRP11	SECR1 (QECR1)	400 mA DC	4F 4B	(C, F, K, M & X)	N/A	(BRB940) <sup>†</sup>

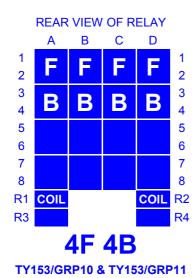
#### NOTE:

 $<sup>^{\</sup>dagger}$  Specification in brackets where the relay is nominally to that specification but with specific characteristics modified to suit special applications.

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



#### **Contact Arrangements.**



**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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