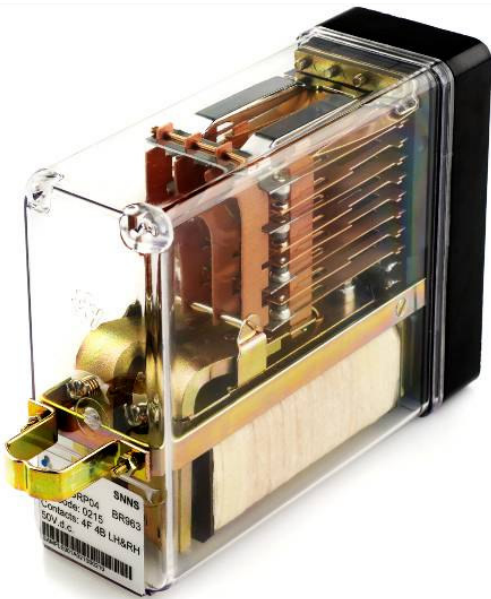


# TY156/GRP07-12 - BRB960 - QNND1

## Datasheet

### Twin double wound D.C. neutral line relay



#### Description

Twin relays covered by this data sheet are for general railway signalling purposes where operation from either of two separate supplies is required.

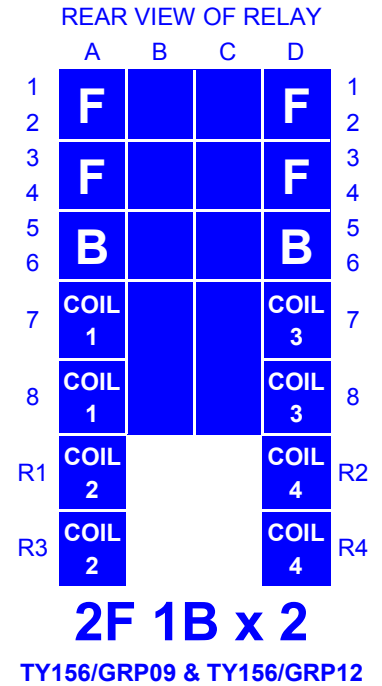
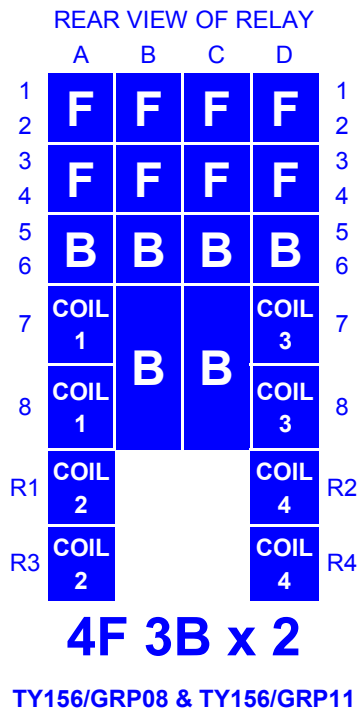
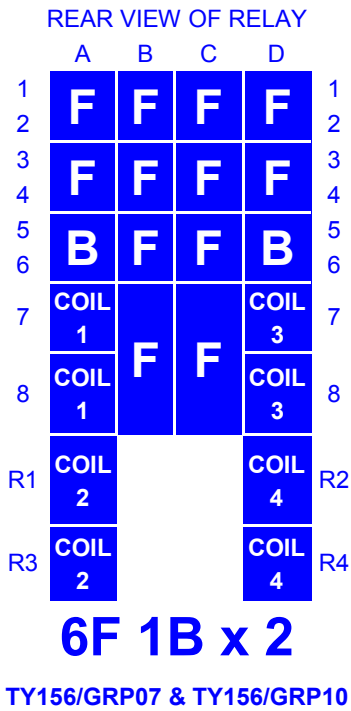
#### Mors Smitt Relays

- 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	Mors Smitt Reference (Westinghouse Reference)	Mors Smitt Catalogue Number
BRB960	PA05/04802	056 (A, C, E, G & J)	6F 1B x 2	50 V D.C.	SNND1 (QNND1)	TY156/GRP07
BRB960	PA05/04802	060 (A, C, G, H & J)	4F 3B x 2	50 V D.C.	SNND1 (QNND1)	TY156/GRP08
BRB960	PA05/04802	060 (A, C, G, H & J)	2F 1B x 2	50 V D.C.	SNND1 (QNND1)	TY156/GRP09
BRB960	PA05/04802	055 (A, C, E, F & J)	6F 1B x 2	24 V D.C.	SNND1 (QNND1)	TY156/GRP10
BRB960	PA05/04802	054 (A, C, D, H & J)	4F 3B x 2	24 V D.C.	SNND1 (QNND1)	TY156/GRP11
BRB960	PA05/04802	054 (A, C, D, H & J)	2F 1B x 2	24 V D.C.	SNND1 (QNND1)	TY156/GRP12

Weight	Contact Resistance	Contact Rating	Full Release	Release	Full Operate	Power Consumption	Coil #2 & 4 Resistance	Coil #1 & 3 Resistance	Mors Smitt Catalogue Number
1.3 kg	0.2 Ω	3 A	4.0 V	7.5 V	40.0 V	2.5 W	1000 Ω	1000 Ω	TY156/GRP07 TY156/GRP08 TY156/GRP09
1.3 kg	0.2 Ω	3 A	2.0 V	3.6 V	19.2 V	2.3 W	250 Ω	250 Ω	TY156/GRP10 TY156/GRP11 TY156/GRP12

## 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.



**MORS  
SMITT™**



[www.morssmitt.com](http://www.morssmitt.com)



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