



# **ZL - BRB960**

## **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

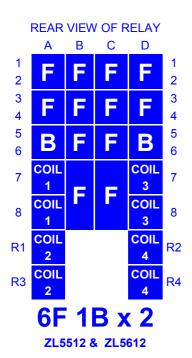


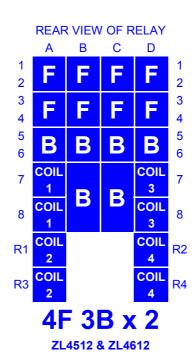
GEC Catalogue Number	Mors Smitt Catalogue Number	Reference	Rated Voltage	Contacts	Pin Code (Pins)	Network Rail Acceptance Number	Specification
ZL4512	TY156/GRP11	NND	24 V D.C.	4F 3B x 2	054 (A, C, D, H, J)	PA05/04802	BRB960
ZL4612	TY156/GRP08	NND	50 V D.C.	4F 3B x 2	060 (A, C, G, H, J)	PA05/04802	BRB960
ZL5512	TY156/GRP10	NND	24 V D.C.	6F 1B x 2	055 (A, C, E, F, J)	PA05/04802	BRB960
ZL5612	TY156/GRP07	NND	50 V D.C.	6F 1B x 2	056 (A, C, E, G, J)	PA05/04802	BRB960

GEC Catalogue Number	Coil #1 & 3 Resistance	Coil #2 & 4 Resistance	Power Consumption	Full Operate	Release	Full Release	Contact Rating	Contact Resistance	Weight
ZL4612 ZL5612	1000 Ω	1000 Ω	2.5 W	40.0 V	7.5 V	4.0 V	3 A	0.2 Ω	1.3 kg
ZL4512 ZL5512	250 Ω	250 Ω	2.3 W	19.2 V	3.6 V	2.0 V	3 A	0.2 Ω	1.3 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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