



# **ZP - BRB930**

## **Datasheet**

# Double wound D.C. neutral line relay



#### **Description**

The double wound 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

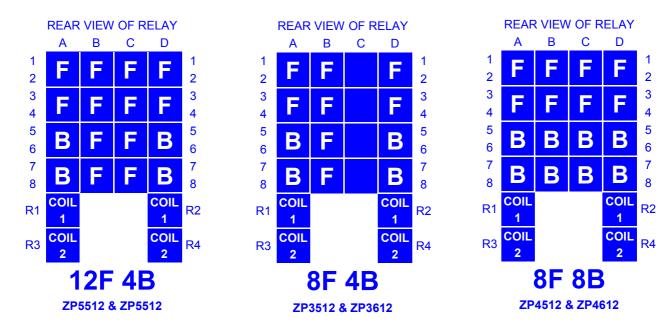


GEC Catalogue Number	Mors Smitt Catalogue Number	Reference	Rated Voltage	Contacts	Pin Code (Pins)	Network Rail Acceptance Number	Specification
ZP3512	TY082/GRP04	ND	24 V D.C.	8F 4B	001 (A, B, C, D & E)	PA05/04802	BRB930
ZP3612	TY082/GRP14	ND	50 V D.C.	8F 4B	003 (A, B, C, E & F)	PA05/04802	BRB930
ZP4512	TY082/GRP06	ND	24 V D.C.	8F 8B	002 (A, B, C, D & F)	PA05/04802	BRB930
ZP4612	TY082/GRP16	ND	50 V D.C.	8F 8B	004 (A, B, D, E & F)	PA05/04802	BRB930
ZP5512	TY082/GRP02	ND	24 V D.C.	12F 4B	001 (A, B, C, D & E)	PA05/04802	BRB930
ZP5612	TY082/GRP12	ND	50 V D.C.	12F 4B	003 (A, B, C, E & F)	PA05/04802	BRB930

Mors Smitt Catalogue Number	Coil #1 Resistance	Coil #2 Resistance	Power Consumption	Full Operate	Release	Full Release	Contact Rating	Contact Resistance	Weight
ZP3512 ZP4512 ZP5512	350 Ω	245 Ω	≤2.4 W	19.2 V	3.6 V	2.0 V	3 A	0.2 Ω	1 / kg
ZP3512 ZP4512 ZP5512	1400 Ω	1050 Ω	≤2.4 W	40.0 V	7.5 V	4.0 V	3 A	0.2 Ω	1.4 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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