

# 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.

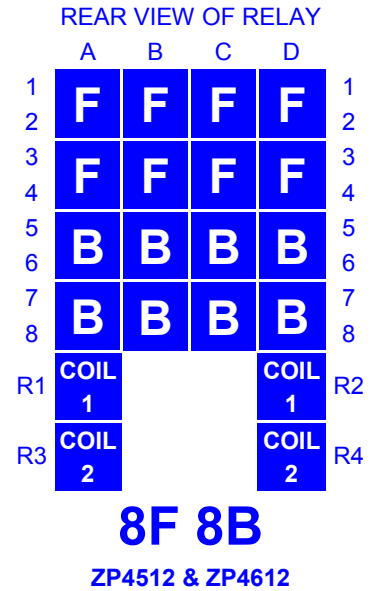
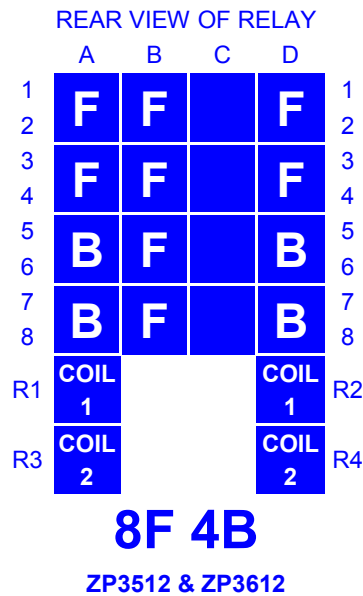
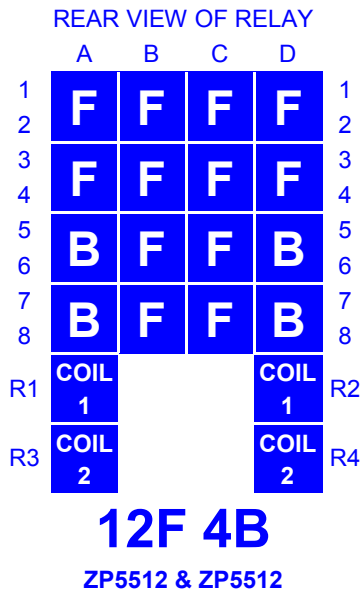
## Mors Smitt Relays

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

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

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

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



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