



## TY178/GRP02 - BRB966 F3

## **Datasheet**

# D.C. Double wound neutral line relays with medium duty back contacts



#### **Description**

Relays covered by this data sheet are for general railway signalling purposes replacing relays to BRB930 where greater current carrying capacity is required for the back contacts e.g. controlling flashing lamps at some barrier installations. Double winding is for where operation from either of two separate supplies is required.

#### **Mors Smitt Relays**

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

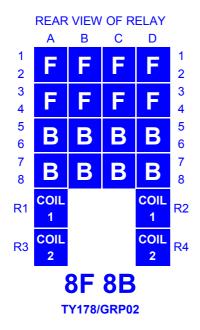


Mors Smitt Catalogue Number	Mors Smitt Reference (Westinghouse Reference)	Rated Voltage	Contacts	Pin Code (Pins)	Network Rail Acceptance Number	Specification
TY178/GRP02	SNDE (N/A)	24 V D.C.	8F 8B	1057 (D, E, F, G, L)	PA05/04802	BRB966 F3

Mors Smitt Catalogue Number	Coil #1 Resistance	Coil #2 Resistance	Power Consumption	Full Operate	Release	Full Release	Contact Rating	Contact Resistance	Weight
TY178/GRP02	300 Ω	250 Ω	2.0 W 2.4 W	19.2 V	3.6 V	2.0 V	Front = 3 A Back = 6 A	Front = $0.2 \Omega$ Back = $0.05 \Omega$	1.5 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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