

TY153/GRP01 - 05 - BRB939A & BRB966 F2&F9 - QTA2

Datasheet

A.C. Immune D.C. neutral track relay



Description

The relays covered by this specification are for use on railways electrified on the 50 Hz AC system.

Mors Smitt Relays

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

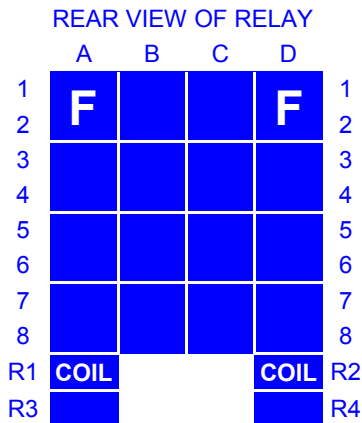
Mors Smitt Catalogue Number	Mors Smitt Reference (Westinghouse Reference)	Rated Current/ Voltage	Contacts	Pin Code (Pins)	Network Rail Acceptance Number	Specification
TY153/GRP01	STA2 (QTA2)	400 mA D.C.	2F	105 (A, C, G, J & K)	PA05/04802	BRB939A
TY153/GRP02	STA2 (QTA2)	400 mA D.C.	2F	110 (A, D, E, J & K)	PA05/04802	BRB966 F2
TY153/GRP03	STA2 (N/A)	400 mA D.C.	2F 1B	110 (A, D, E, J & K)	N/A	(BRB966 F2) [†]
TY153/GRP04	STA2 (QTA2)	10 V D.C.	2F	104 (A, C, G, H & K)	PA05/04802	BRB966 F9
TY153/GRP05	STA2 (N/A)	400 mA D.C.	2F 2B	110 (A, D, E, J & K)	N/A	(BRB966 F2) [†]

NOTE:

[†] Specification in brackets where the relay is nominally to that specification but with specific characteristics modified to suit special applications.

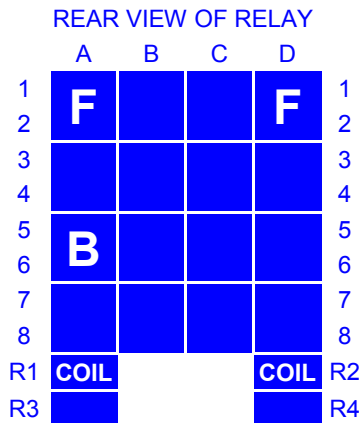
Mors Smitt Catalogue Number	Coil Resistance	Operate	Full Operate	Release	Contact Rating	Contact Resistance	Weight
TY153/GRP01	20 Ω	81 mA - 92 mA	115 mA	0.68 x Operate (mA)	3 A	0.2 Ω	1.6 kg
TY153/GRP02 TY153/GRP03	9 Ω	120 mA - 140 mA	175 mA	0.68 x Operate (mA)	3 A	0.2 Ω	1.6 kg
TY153/GRP04	70 Ω	2.8 V - 4.0 V	5.0 V	0.68 x Operate (mA)	3 A	0.2 Ω	1.6 kg
TY153/GRP05	9 Ω	120 mA - 140 mA	175 mA	0.68 x Operate (mA)	3 A	0.2 Ω	1.6 kg

Contact Arrangements.



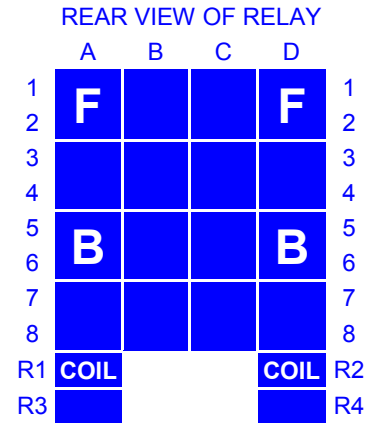
2F

TY153/GRP01, TY153/GRP02
& TY153/GRP04



2F 1B

TY153/GRP03



2F 2B

TY153/GRP05

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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