



TY154/GRP02-03 - BRB943 - QBCA1

Datasheet

A.C. Immune D.C. Biased Contactor Relay



Description

The relays covered by this data sheet are for use in line circuits where the relay is required to control the motor circuit of a point machine or other similar heavy duty applications and are suitable for use where undesired alternating current at industrial frequency may be present in the circuit.

Mors Smitt Relays

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



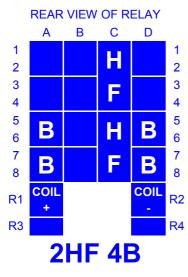
Mors Smitt Catalogue Number	Mors Smitt Reference (Westinghouse Reference)	Rated Voltage	Contacts	Pin Code (Pins)	Network Rail Acceptance Number	Specification
TY154/GRP02	SBCA1 (QBCA1)	24 V D.C.	2HF 4B	170 (B, C, E, J & K)	PA05/04802	BRB943
TY154/GRP03	SBCA1 (QBCA1)	50 V D.C.	2HF 4B	172 (B, C, F, H & K)	PA05/04802	BRB943

Mors Smitt Catalogue Number	Coil Resistance	Power Consumption	Full Operate	Release	Full Release	Weight
TY154/GRP02	250 Ω	2.3 W	19.2 V	3.6 V	2.0 V	1.4 kg
TY154/GRP03	910 Ω	2.8 W	40.0 V	7.5 V	4.0 V	1.4 kg

Mors Smitt Catalogue Number	Contact Rating	Contact Resistance	Heavy Duty Contact Rating	Heavy Duty Contact Resistance
TY154/GRP02	3 A	0.2 Ω	30 A	0.1 Ω
TY154/GRP03	3 A	0.2 Ω	30 A	0.1 Ω



Contact Arrangements and Wiring.

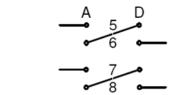


TY154/GRP02 & TY154/GRP03

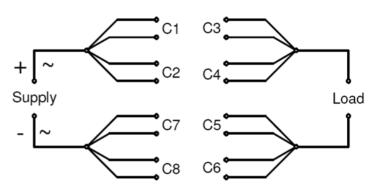
HF = Heavy duty Front contact,

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.



This arrangement MUST be used to give detection of a welded heavy duty front contact



Polarities shown <u>MUST</u> be observed when using a DC supply









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