

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

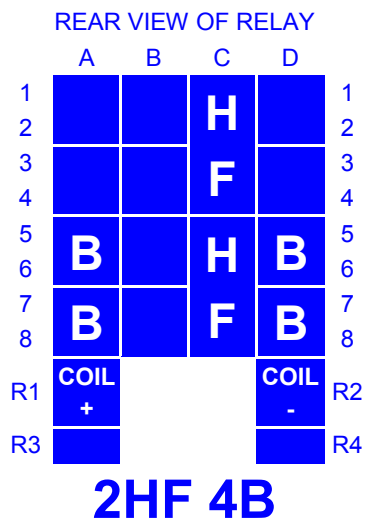
- Modular plug in design
- Heavy duty front contacts
- Non weld back contacts
- Silver and carbon impregnated with silver back contact tips
- Proven reliability
- Low life cycle cost

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

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

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

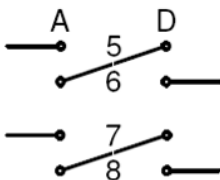
Contact Arrangements and Wiring.



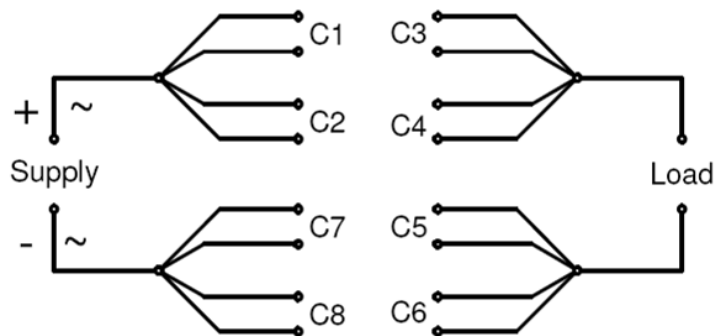
TY154/GRP02 & TY154/GRP03

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 MUST be observed when using a DC supply



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