

ZU - BRB943

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

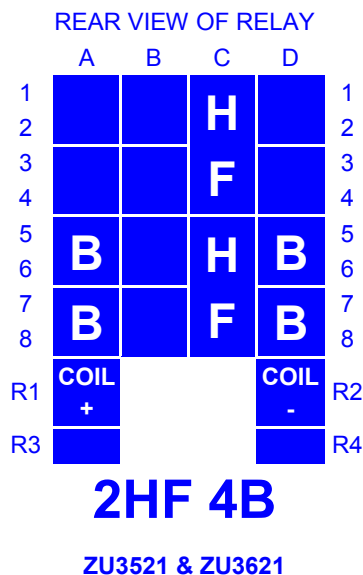
- Modular plug in design
- Heavy duty front contacts
- Non weld back contacts
- Silver and carbon impregnated with silver back contact tips
- Proven reliability
- Low life cycle cost

Specification	Network Rail Acceptance Number	Pin Code (Pins)	Contacts	Rated Voltage	Reference	Mors Smitt Catalogue Number	GEC Catalogue Number
BRB943	PA05/04802	170 (B, C, E, J, K)	2HF 4B	24 V D.C.	BCA	TY154/GRP02	ZU3521
BRB943	PA05/04802	172 (B, C, F, H, K)	2HF 4B	50 V D.C.	BCA	TY154/GRP03	ZU3621

Weight	Full Release	Release	Full Operate	Power Consumption	Coil Resistance	GEC Catalogue Number
1.4 kg	2.0 V	3.6 V	19.2 V	2.3 W	250 Ω	ZU3521
1.4 kg	4.0 V	7.5 V	40.0 V	2.8 W	910 Ω	ZU3621

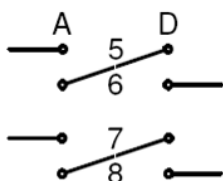
Heavy Duty Contact Resistance	Heavy Duty Contact Rating	Contact Resistance	Contact Rating	Mors Smitt Catalogue Number
0.1 Ω	30 A	0.2 Ω	3 A	ZU3521
0.1 Ω	30 A	0.2 Ω	3 A	ZU3621

Contact Arrangements and Wiring.

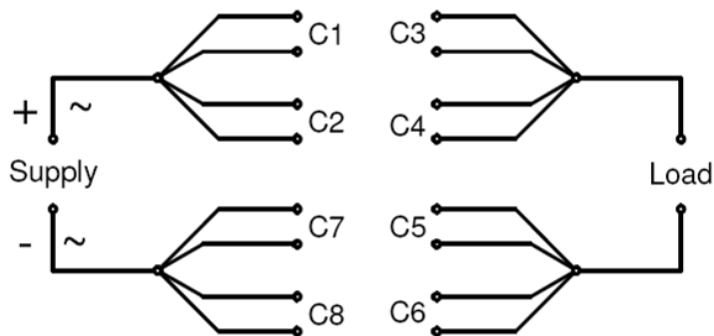


HF = Heavy duty Front contact, which is made when the relay is energised. This is a normally open contact.

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



**MORS
SMITT™**



www.morssmitt.com



MS Relais SAS

Tour Rosny 2, Avenue du Général de Gaulle,
F - 93118 Rosny-sous-Bois Cedex, FRANCE
T +33 (0)1 4812 1440, F +33 (0)1 4855 9001
E sales@msrelais.com

Mors Smitt Asia Ltd.

807, Billion Trade Centre, 31 Hung To Road
Kwun Tong, Kowloon, HONG KONG SAR
T +852 2343 5555, F +852 2343 6555
E info@morssmitt.hk

Nieaf-Smitt B.V.

Vrieslantlaan 6, 3526 AA Utrecht,
NETHERLANDS
T +31 (0)30 288 1311, F +31 (0)30 289 8816
E sales@nieaf-smitt.nl

Mors Smitt Technologies Inc.

420 Sackett Point Road
North Haven, CT 06473, USA
T +1 (203) 287 8858, F +1 (888) 287 8852
E mstechnologies@msrelais.com

Mors Smitt UK Ltd.

Doulton Road, Cradley Heath
West Midlands, B64 5QB, UK
T +44 (0)1384 567 755, F +44 (0)1384 567 710
E info@morssmitt.co.uk