TY157/GRP01-10 - BRB961 - QBBA1

Datasheet

Twin D.C. biased A.C. immune relay

Description

The twin relays covered by this data sheet are for use in line circuits where operation of the relay is required to be dependant on the polarity of the current in the coil. They are also suitable when alternating current at industrial frequency may be present in the circuit.

Mors Smitt Relays

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

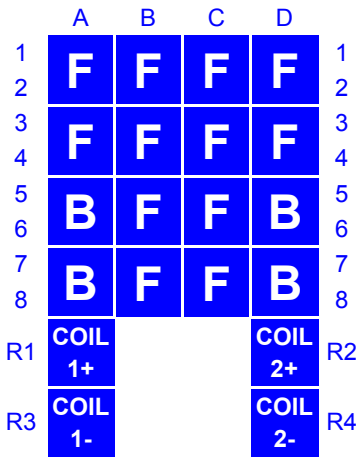
Mors Smitt Catalogue Number	Mors Smitt Reference (Westinghouse Reference)	Rated Voltage	Contacts	Pin Code (Pins)	Network Rail Acceptance Number	Specification
TY157/GRP01	SBBA1 (QBBA1)	50V D.C.	6F 2B x 2	049 (A, B, F, H & J)	PA05/04802	BRB961
TY157/GRP02	SBBA1 (QBBA1)	50V D.C.	4F 4B x 2	017 (A, B, C, E & H)	PA05/04802	BRB961
TY157/GRP03	SBBA1 (QBBA1)	50V D.C.	2F 2B x 2	017 (A, B, C, E & H)	PA05/04802	BRB961
TY157/GRP04	SBBA1 (QBBA1)	24V D.C.	6F 2B x 2	098 (A, C, E, G & K)	PA05/04802	BRB961
TY157/GRP05	SBBA1 (QBBA1)	24V D.C.	4F 4B x 2	097 (A, C, E, F & K)	PA05/04802	BRB961
TY157/GRP06	SBBA1 (QBBA1)	24V D.C.	2F 2B x 2	097 (A, C, E, F & K)	PA05/04802	BRB961
TY157/GRP08	SBBA1 (QBBA1)	12V D.C.	6F 2B x 2	(B, E, F, G & X)	N/A	(BRB961)†
TY157/GRP09	SBBA1 (QBBA1)	12V D.C.	4F 4B x 2	(A, B, D, K & S)	N/A	(BRB961)†
TY157/GRP10	SBBA1 (N/A)	12V D.C.	2F 2B x 2	(A, B, D, K & S)	N/A	(BRB961)†

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	Power Consumption	Full Operate	Release	Full Release	Contact Rating	Contact Resistance	Weight
TY157/GRP01 TY157/GRP02 TY157/GRP03	935 Ω	2.3 W	40.0 V	7.5 V	4.0 V	3 A	0.2 Ω	1.3 kg
TY157/GRP04 TY157/GRP05 TY157/GRP06	235 Ω	2.5 W	19.2 V	3.6 V	2.0 V	3 A	0.2 Ω	1.3 kg
TY157/GRP08	50 Ω	2.9 W	9.6 V	1.8 V	1.8 V	3 A	0.2 Ω	1.3 kg
TY157/GRP09 TY157/GRP10			9.1 V	2.4 V	2.4 V			

Contact Arrangements.

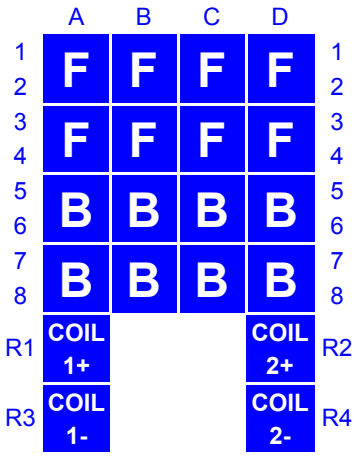
REAR VIEW OF RELAY



6F 2B x 2

TY157/GRP01, TY157/GRP04 & TY157/GRP08

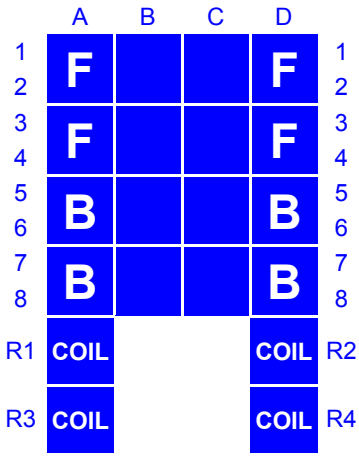
REAR VIEW OF RELAY



4F 4B x 2

TY157/GRP02, TY157/GRP05 & TY157/GRP09

REAR VIEW OF RELAY



2F 2B x 2

TY157/GRP03, TY157/GRP06 & TY157/GRP10

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.

MORS SMITT™

SERVING SAFETY

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

www.morssmitt.com