



TY160/GRP01-06 - BRB966 F6 - QNNA1

Datasheet

A.C. Immune D.C. Neutral line relay



Description

The twin relays covered by this data sheet are for use in line circuits where 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	
TY160/GRP01	SNNA1 (QNNA1)	50 V D.C.	6F 2B x 2	209 (C, E, F,H, J)	PA05/04802	BRB966 F6	
TY160/GRP02	SNNA1 (QNNA1)	50 V D.C.	4F 4B x 2	210 (C, E, G, H, J)	PA05/04802	BRB966 F6	
TY160/GRP03	SNNA1 (QNNA1)	50 V D.C.	2F 2B x 2	210 (C, E, G, H, J)	N/A	BRB966 F6	
TY160/GRP04	SNNA1 (N/A)	24 V D.C.	6F 2B x 2	962 (C, F, K ,L, M)	N/A	(BRB966 F6) [†]	
TY160/GRP05	SNNA1 (N/A)	24 V D.C.	4F 4B x 2	963 (C, G, H, J, M)	N/A	(BRB966 F6) [†]	
TY160/GRP06	SNNA1 (N/A)	24 V D.C.	2F 2B x 2	963 (C, G, H, J, M)	N/A	(BRB966 F6) [†]	

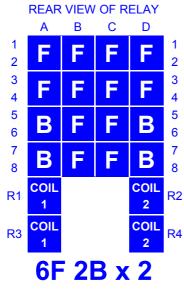
NOTE:

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

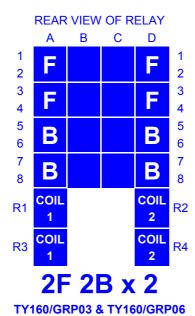
Mors Smitt Catalogue Number	Coil Resistance	Power Consumption	Full Operate	Release	Full Release	Contact Rating	Contact Resistance	Weight
TY160/GRP01 TY160/GRP02 TY160/GRP03	935 Ω	2.7 W	40.0 V	7.5 V	4.0 V	3 A	0.2 Ω	1.3 kg
TY160/GRP04 TY160/GRP05 TY160/GRP06	235 Ω	2.3 W	19.2 V	3.6 V	2.0 V	3 A	0.2 Ω	1.3 kg



Contact Arrangements



TY160/GRP01 & TY160/GRP04



REAR VIEW OF RELAY С D В Α 2 2 3 3 4 4 5 5 В В В 6 6 7 7 В В В В COIL COIL R2 R1 2 COIL R4 COIL R3 2 4F 4B x 2

TY160/GRP02 & TY160/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.







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

All rights reserved. Nothing from this edition may be multiplied, or made public in any form or manner, either electronically, mechanically, by photocopying, recording, or in any manner, without prior written consent from Mors Smitt. This also applies to accompanying drawings and diagrams. Due to a policy of continuous development Mors Smitt reserves the right to alter the equipment specification and description outlined in this datasheet without prior notice and no part of this publication shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract.