

TY159/GRP01-04 - BRB963 - QNNS1

Datasheet

Twin D.C. Slow acting neutral line relay



Description

Twin relays covered by this data sheet are for applications where a slow to operate and/or slow to release characteristic is required.

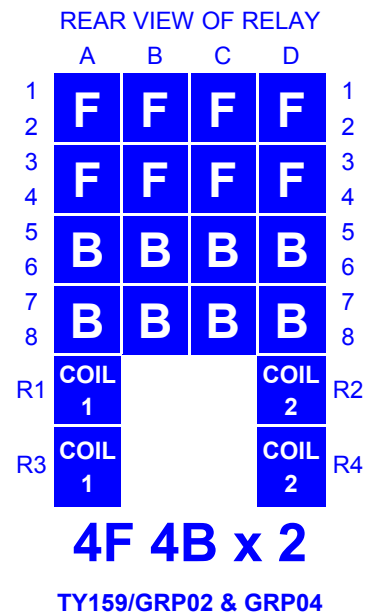
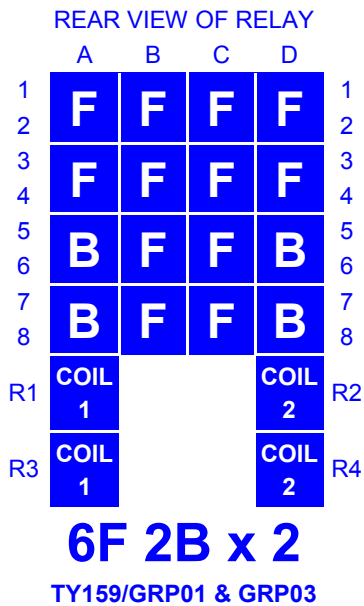
Mors Smitt Relays

- Modular plug in design
- Non weld contacts
- Silver and carbon impregnated with silver 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
BR963	PA05/04802	214 (C, D, E, H & K)	6F 2B x 2	24 V D.C.	SNNS1 (QNNS1)	TY159/GRP01
BR963	PA05/04802	213 (C, D, E, G & K)	4F 4B x 2	24 V D.C.	SNNS1 (QNNS1)	TY159/GRP02
BR963	PA05/04802	216 (C, D, F, G & K)	6F 2B x 2	50 V D.C.	SNNS1 (QNNS1)	TY159/GRP03
BR963	PA05/04802	215 (C, D, E, J & K)	4F 4B x 2	50 V D.C.	SNNS1 (QNNS1)	TY159/GRP04

Weight	Contact Resistance	Contact Rating	Coil Interrupt Minimum	Operate Delay	Full Release	Release	Full Operate	Power Consumption	Coil Resistance	Mors Smitt Catalogue Number
1.7 kg	0.2 Ω	3 A	150 ms @ 19.2 V	150-250 ms	2.0 V	3.6 V	19.2 V	2.0 W	300 Ω	TY159/GRP01 TY159/GRP02
1.7 kg	0.2 Ω	3 A	150 ms @ 40 V	150-250 ms	4.0 V	7.5 V	40.0 V	2.1 W	1200 Ω	TY159/GRP03 TY159/GRP04

Contact Arrangements.



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™**



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