

# TY085/GRP01-02 & 086/GRP04-05 - BRB933A - QSPA1

## Datasheet

### A.C. Immune D.C. neutral slow pick-up line



## Description

The relays covered by this data sheet are for use as DC repeater relays, having a delayed pick-up characteristic to bridge a gap due to loss of shunt or slow drop away of a track relay. These relays are suitable for use where alternating current at industrial frequency may be present in the circuit.

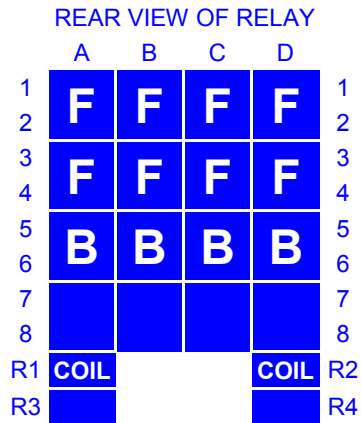
## Mors Smitt Relays

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

Specification	Network Rail Acceptance Number	Pin Code (Pins)	Contacts	Rated Voltage	Mors Smitt Reference (Westinghouse Reference)	Mors Smitt Catalogue Number
BRB933A	PA05/04802	041 (A, B, D, E, J)	8F 4B	24 V D.C.	SSPA1 (QSPA1)	TY085/GRP01
BRB933A	PA05/04802	043 (A, B, D, G, J)	8F 4B	50 V D.C.	SSPA1 (QSPA1)	TY085/GRP02

Weight	Contact Resistance	Contact	Release Delay	Full Release	Release	Operate Delay	Full Operate	Power Consumption	Coil Resistance	Mors Smitt Catalogue Number
1.6 kg	0.2 Ω	3 A	<200 ms	2.0 V	3.6 V	>400 ms + Release Delay	19.2 V	2.1 W	275 Ω	TY085/GRP01
1.6 kg	0.2 Ω	3 A	<200 ms	4.0 V	7.5 V	>400 ms + Release Delay	40.0 V	2.1 W	1200 Ω	TY085/GRP02

## Contact Arrangements.



**8F 4B**

TY085/GRP01 & TY085/GRP02

**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.



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