

# TY084/GRP01-10 - BRB932A - QBA1

## Datasheet

### AC Immune DC biased line relay



#### Description

The 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.

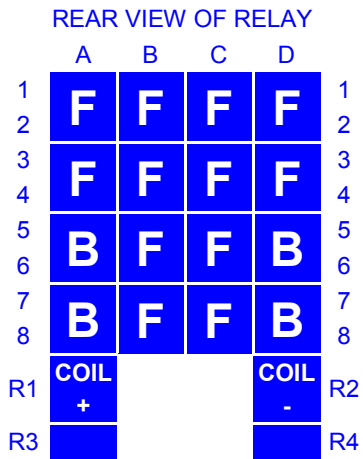
#### Mors Smitt Relays

- 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
TY084/GRP01	SBA1 (QBA1)	24 V D.C.	12F 4B	025 (A, B, F, G & H)	PA05/04802	BRB932A
TY084/GRP02	SBA1 (QBA1)	24 V D.C.	8F 4B	025 (A, B, F, G & H)	PA05/04802	BRB932A
TY084/GRP03	SBA1 (QBA1)	24 V D.C.	8F 8B	026 (A, C, D, E & H)	PA05/04802	BRB932A
TY084/GRP04	SBA1 (QBA1)	24 V D.C.	6F 6B	026 (A, C, D, E & H)	PA05/04802	BRB932A
TY084/GRP05	SBA1 (QBA1)	24 V D.C.	4F 4B	026 (A, C, D, E & H)	PA05/04802	BRB932A
TY084/GRP06	SBA1 (QBA1)	50 V D.C.	12F 4B	027 (A, C, D, F & H)	PA05/04802	BRB932A
TY084/GRP07	SBA1 (QBA1)	50 V D.C.	8F 4B	027 (A, C, D, F & H)	PA05/04802	BRB932A
TY084/GRP08	SBA1 (QBA1)	50 V D.C.	8F 8B	028 (A, C, D, G & H)	PA05/04802	BRB932A
TY084/GRP09	SBA1 (QBA1)	50 V D.C.	6F 6B	028 (A, C, D, G & H)	PA05/04802	BRB932A
TY084/GRP10	SBA1 (QBA1)	50 V D.C.	4F 4B	028 (A, C, D, G & H)	PA05/04802	BRB932A

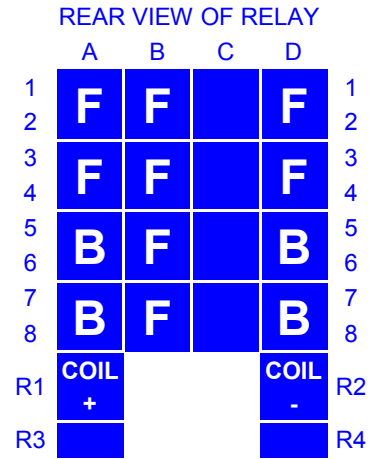
Mors Smitt Catalogue Number	Coil Resistance	Power Consumption	Full Operate	Release	Full Release	Contact Rating	Contact Resistance	Weight
TY084/GRP01 TY084/GRP02 TY084/GRP03 TY084/GRP04 TY084/GRP05	250 Ω	2.3 W	19.2 V	3.6 V	2.0 V	3 A	0.2 Ω	1.4 kg
TY084/GRP06 TY084/GRP07 TY084/GRP08 TY084/GRP09 TY084/GRP10	950 Ω	2.7 W	40.0 V	7.5 V	4.0 V	3 A	0.2 Ω	1.4 kg

## Contact Arrangements.



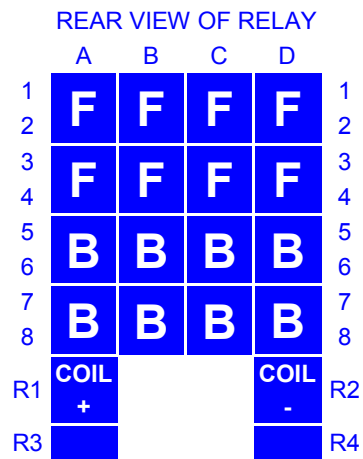
**12F 4B**

TY084/GRP01 & TY084/GRP06



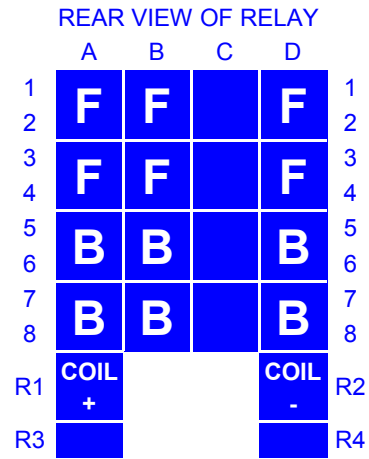
**8F 4B**

TY084/GRP02 & TY084/GRP07



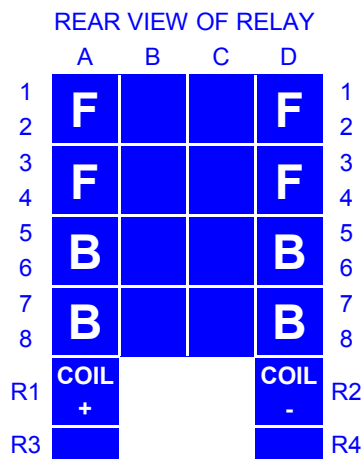
**8F 8B**

TY084/GRP03 & TY084/GRP08



**6F 6B**

TY084/GRP04 & TY084/GRP09



**4F 4B**

TY084/GRP05 & TY084/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.



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