

# TY133/GRP03 - BRB945 - QECF1

## Datasheet

### D.C. Lamp proving relay - flashing lamp



## Description

The relays covered by this data sheet are designed as lamp proving relays for flashing lamps with a DC supply. Typically BR945 relays are used for flashing road signals at level crossings.

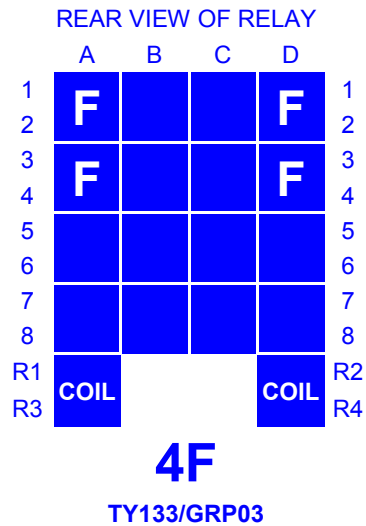
## Mors Smitt Relays

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

<b>Specification</b>	BRB945
<b>Network Rail Acceptance Number</b>	PA05/3896
<b>Pin Code (Pins)</b>	091 (A, B, H, J, K)
<b>Contacts</b>	4F
<b>Rated Voltage</b>	1.5 A DC
<b>Mors Smitt Reference (Westinghouse Reference)</b>	SECF1 (QECF1)
<b>Mors Smitt Catalogue Number</b>	TY133/GRP03

<b>Weight</b>	1.4 kg
<b>Contact Resistance</b>	0.2 Ω
<b>Contact Rating</b>	3 A
<b>Coil Interruption</b>	100 ms @ 1.5 A
<b>Full Release</b>	0.2 A
<b>Full Operate</b>	1.0 A
<b>Power Consumption</b>	N/A
<b>Coil Resistance</b>	0.25 Ω
<b>Mors Smitt Catalogue Number</b>	TY133/GRP03

## 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.

### Coil Connections:

Both R1 and R3 connected to one end of the coil and both R2 and R4 connected to the other end of the coil.



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