

/// BR930 Series - Electromechanical Signalling Relay

TY133/GRP02

QEC1 4F2B 2.2A

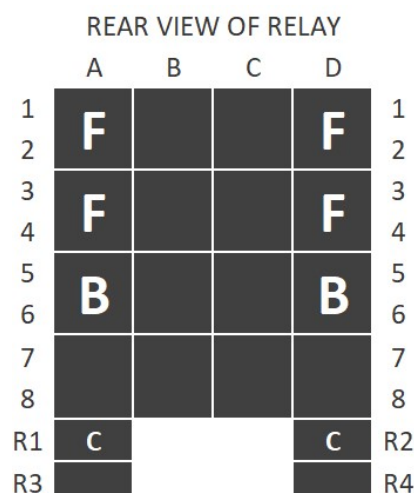
DC Lamp Proving Relay to BR940A.



Features

The TY133/GRP02 is a 4F 2B DC lamp proving relay where the lamp is energised by a battery or rectified AC supply. Of compact modular plug-in design it has non-weld contacts and is equipped with a safety interlocking system (pin code) for insertion into mating plugboards.

Contact arrangement



4F 2B CONTACTS

General characteristics

PADS Reference	0085/001290
Pin code	081 ABDJK
Contact arrangement	4F 2B
Coil configuration	Single wound single coil
Resistance of winding(s)	0.85Ω
Rating	2.2A DC
Weight	1.5 kg
Plugboard	TY081-001 PADS Ref 0085/002081 See plugboard datasheet for more information

Specific characteristics

AC Immunity Coil RMS voltage at 50 Hz frequency that can be applied without generating the closing of any of the front (N/O - Normally Open) contacts	This relay is not AC immune
DC Biasing Maximum supply which can be applied connected in reverse polarity and shall not result in the breaking of any back contact of the relay	This relay is not DC biased

Electrical characteristics

Operate value	Not specified in BR940A
Full operate value	0.8A
Release value	Not specified in BR940A
Full release value	0.2A
Operate time	Not specified in BR940A
Release time	Not specified in BR940A
Interrupt time	Not specified in BR940A
Signalling contact pressure	28 g (1 oz) min

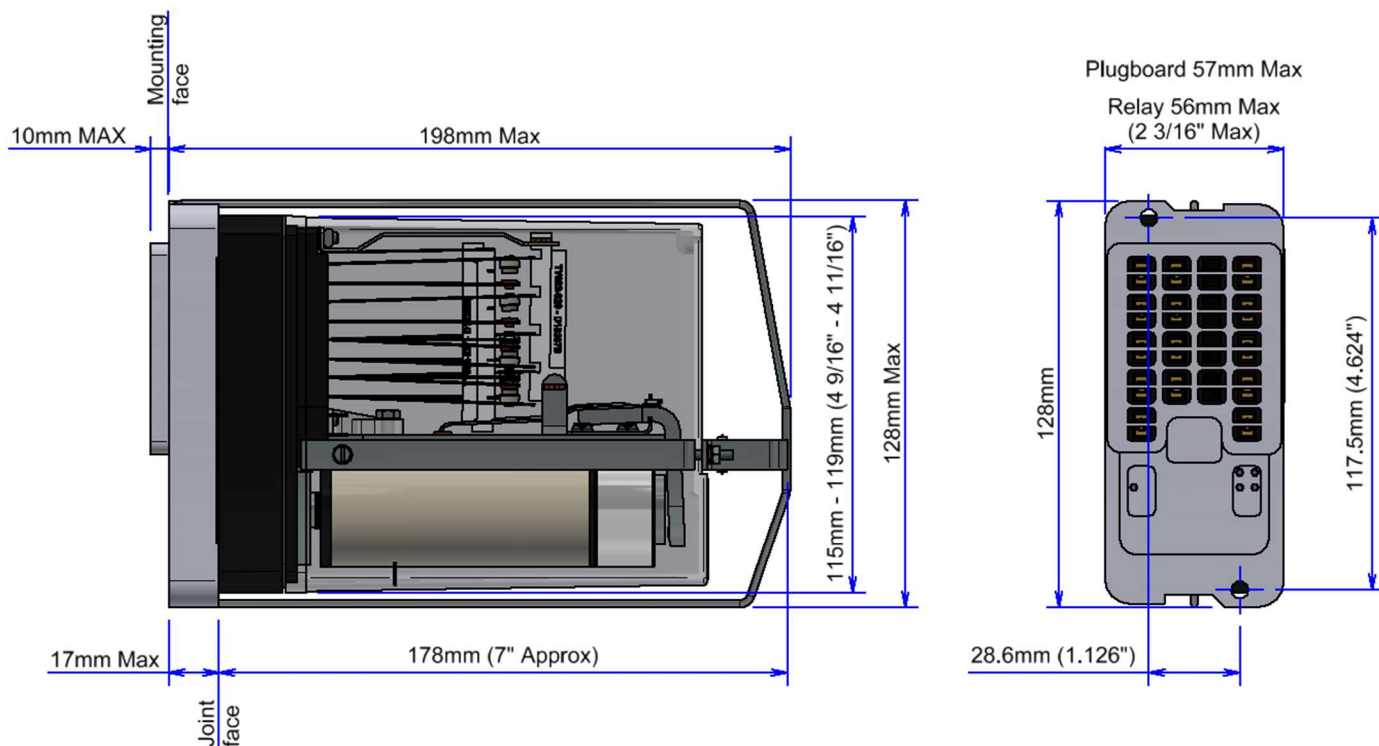
Product acceptance certification

Network Rail UK: PA05/04802

Outline drawing

DC Lamp Proving Relay to BR940A

TY133/GRP02



Imperial dimensions in brackets are those specified in BR930
 Dimensions illustration shows generic BR930 relay.

Note

BR930 relays are optimised to switch traditional signalling circuits consisting of the coils of other relays and incandescent lamps. Their contacts are non-weld, not weld-no-transfer. Signalling schemes using these relays must be designed to operate safely within these constraints. Furthermore, it is the operators' responsibility to ensure compliance with the requirements of clauses 1.2, 5.2, 8.1, 8.2 and 12.1 of BR930.

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