

/// BR930 Series - Electromechanical Signalling Relay

TY133/GRP08

QEC 4F2B 400mA

DC Lamp Proving Relay to ZQ4051.

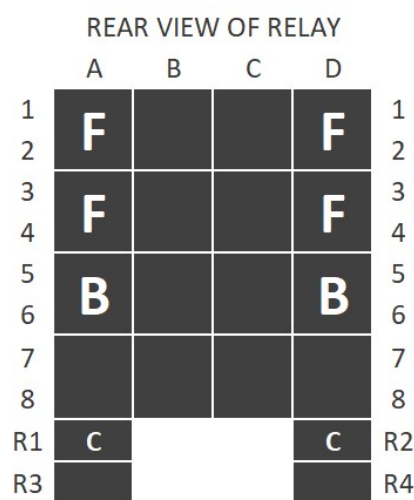


Features

The TY133/GRP08 is a 4F DC lamp proving relay where the lamp is energised by a battery or rectified AC supply. It is functionally equivalent to the GEC ZQ4051.

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	-
Pin code	355 ABEJM
Contact arrangement	4F 2B
Coil configuration	Single wound single coil
Resistance of winding(s)	14.8Ω
Rating	400mA 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

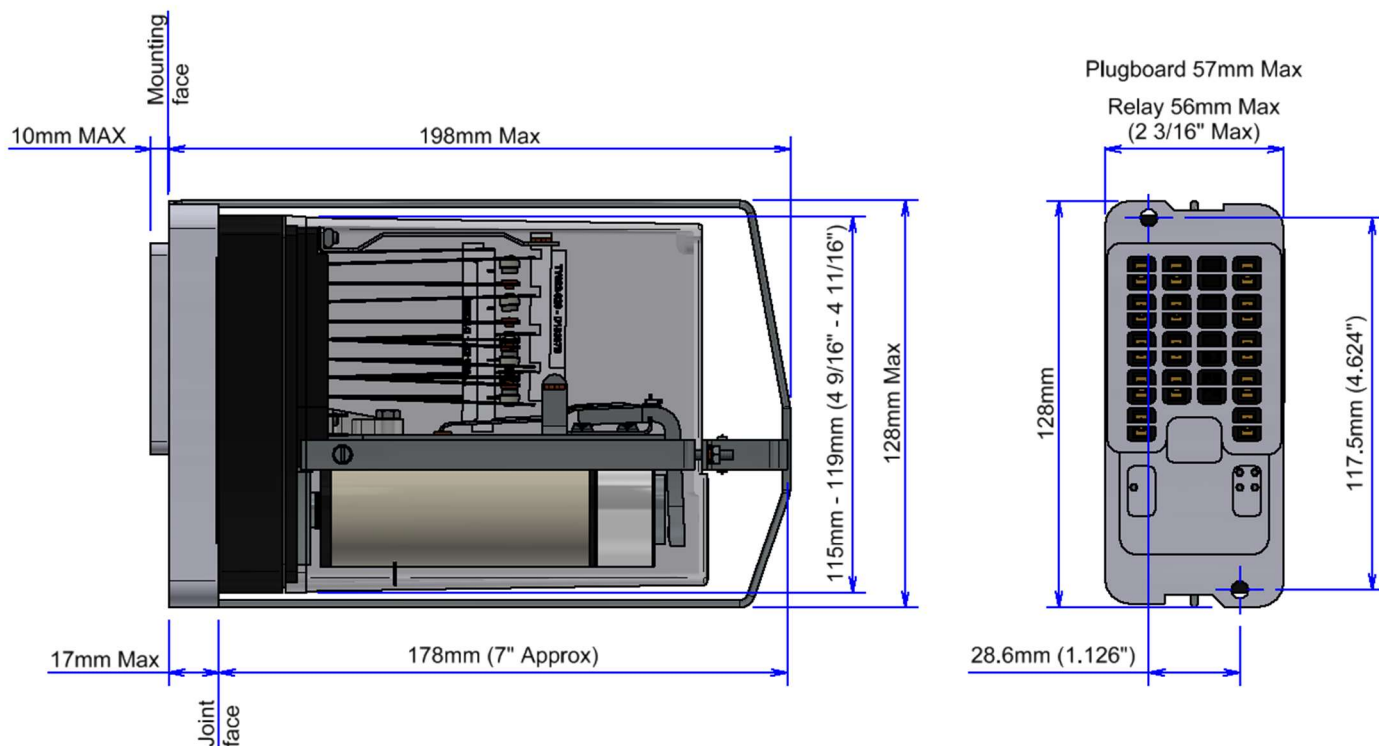
Electrical characteristics

Operate value	Not specified
Full operate value	180mA
Release value	100mA
Full release value	Not specified
Operate time	Not specified
Release time	0.15s @ 250mA d.c.
Interrupt time	Not specified
Signalling contact pressure	28 g (1 oz) min

Outline drawing

DC Lamp Proving Relay to ZQ4051

TY133/GRP08



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.

 **Over 10 million Mors Smitt relays in use in rail transport applications worldwide!**

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