/// BR930 Series - Electromechanical Signalling Relay

TY155/GRP03

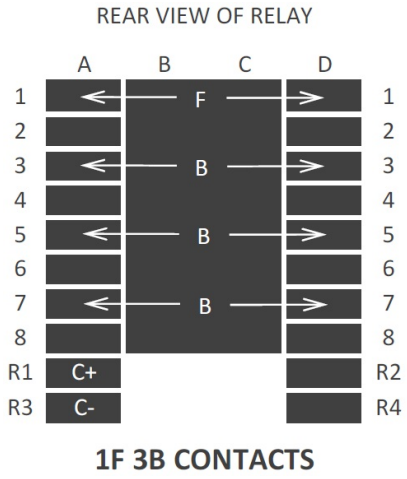
QCJ1 1F3B 50V

DC non-safety time delay relay nominally to BR949.

Features

The TY155/GRP03 is a 1F 3B non-safety 12 second time delay relay unit for use in point control circuits operating a point contactor relay to BR943. The contacts within this relay unit are rated to carry no more than 300 mA.
It is used to disconnect the BR943 relay coil if the latter is not otherwise de-energised, within a predetermined time. The time delay provided is sufficient to allow the point machine to complete its normal operation.
Of compact modular plug-in design it is equipped with a safety interlocking system (pin code) for insertion into mating plugboards.

Contact arrangement



1F 3B CONTACTS

General characteristics

PADS Reference	0085/002512
Pin code	6047 ABDFGJ
Contact arrangement	1F 3B
Coil configuration	Single wound single coil
Resistance of winding(s)	1700Ω
Rating	50V DC
Weight	0.6 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 BR949
Full operate value	40.0V
Release value	Not specified in BR949
Full release value	Not specified in BR949
Operate time	10-14s when powered by 40.0-60.0VDC
Release time	Not specified in BR949
Interrupt time	Not specified in BR949
Signalling contact pressure	28 g (1 oz) min

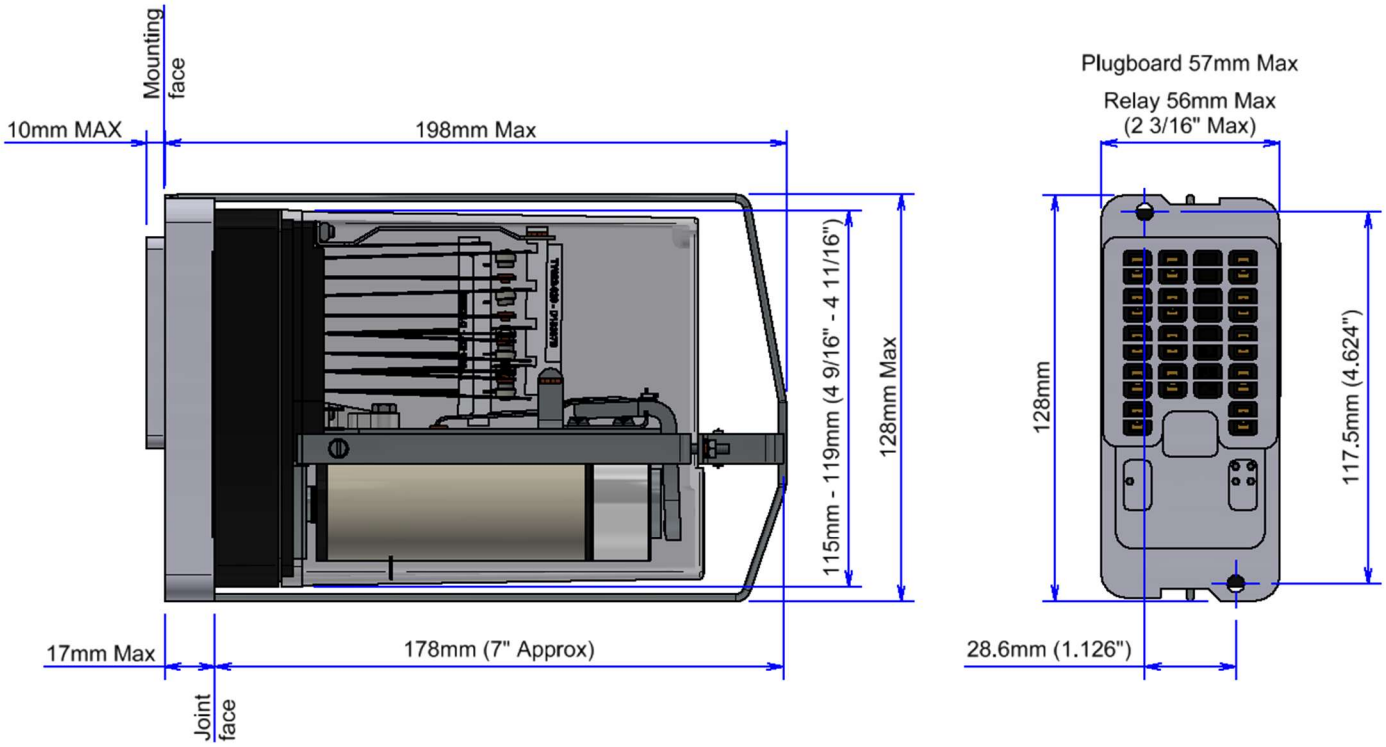
Product acceptance certification

Network Rail UK: PA05/04802

Outline drawing

DC non-safety time delay relay nominally to BR949

TY155/GRP03



Imperial dimensions in brackets are those specified in BR930

Dimensions illustration shows generic BR930 relay.

Note

BR949 relays are a non-safety time delay relay designed to switch the operating circuit of a single BR943 relay. Furthermore, it is the operators' responsibility to ensure compliance with the requirements of clause 5.2 of BR930 and clauses 8.1, 8.2 and 11.6 of BR949.

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

Mors Smitt Asia Ltd.
26/F., Casey Aberdeen House
38 Heung Yip Road, Wong Chuk Hang
Hong Kong
Tel: +852 2343 555
sales.msa@wabtec.com

Wabtec Netherlands B.V.
Darwinstraat 10,
6718 XR Ede, Netherlands
Tel: +31 (0)88 600 4500
sales.msbv@wabtec.com

Mors Smitt France SAS
2 Rue de la Mandinière
72300 Sablé-sur-Sarthe, France
Tel: +33 (0) 243 92 82 00
sales.msf@wabtec.com

Mors Smitt Technologies Ltd.
1010 Johnson Drive,
Buffalo Grove, IL 60089-6918, USA

mst_salessupport@wabtec.com.

Mors Smitt UK
Graycar Business Park,
Burton on Trent, DE13 8EN, UK
Tel: +44 (0)1283 357 263
sales.msuk@wabtec.com

RMS Mors Smitt
19 Southern Court,
Keysborough, VIC 3173, Australia
Tel: +61 (0)3 8544 1200
sales.rms@wabtec.com