/// BR930 Series - Electromechanical Signalling Relay

TY178/GRP02

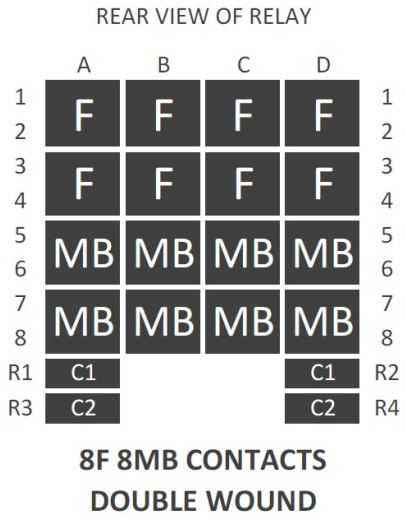
8F8MB 24V

Double Wound DC Neutral Line Relay with Medium Duty back Contacts to BR966 F3.

Features

The TY178/GRP02 is an 8F 8B Neutral Line Relay for general railway trackside signalling applications where greater current carrying capacity over the back contacts is required, but special characteristics such as AC immunity, slow release etc. are not. Double windings allow use in railway signalling circuits where operation from either of two separate supplies is required.
Of compact modular plug-in design it has non-weld front contacts and weld-resistant back contacts and is equipped with a safety interlocking system (pin code) for insertion into mating plugboards.

Contact arrangement



General characteristics

PADS Reference	0085/000630
Pin code	1057 DEFGL
Contact arrangement	8F 8MB
Coil configuration	Double wound single coil
Resistance of winding(s)	300Ω & 250Ω
Rating	24V DC
Weight	1.3 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 BR966 F3
Full operate value	19.2V
Release value	3.6V
Full release value	2.0V
Operate time	Not specified in BR966 F3
Release time	Not specified in BR966 F3
Interrupt time	Not specified in BR966 F3
Signalling contact pressure	28 g (1 oz) min

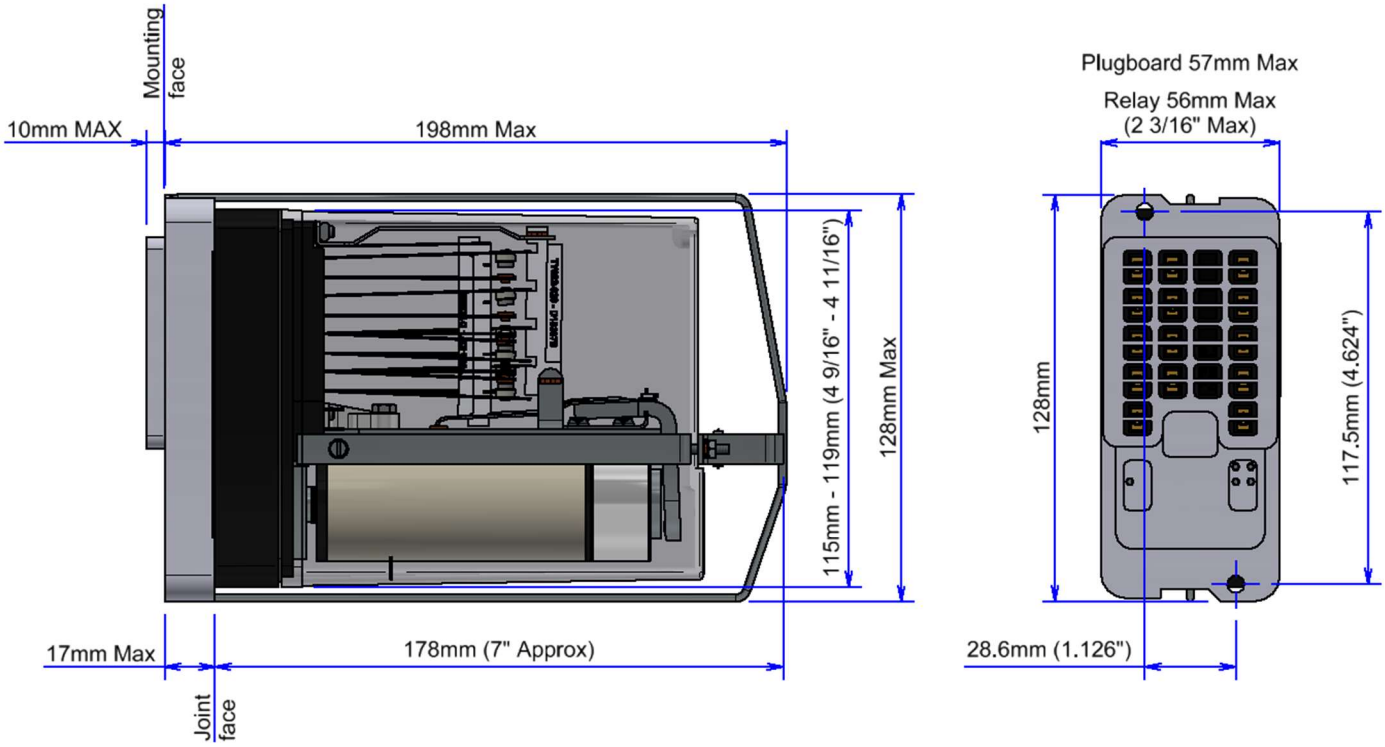
Product acceptance certification

Network Rail UK: PA05/04802

Outline drawing

Double Wound DC Neutral Line Relay with Medium Duty back Contacts to BR966 F3

TY178/GRP02



Imperial dimensions in brackets are those specified in BR930

Dimensions illustration shows generic BR930 relay.

Note

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

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