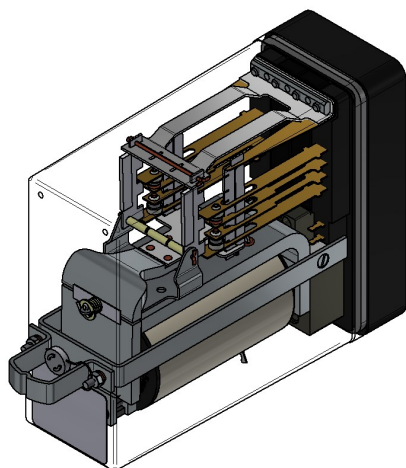


/// BR930 Series - Electromechanical Signalling Relay

TY379/GRP01

QBT3 2F2B 0.65V

DC Biased Track Relay.

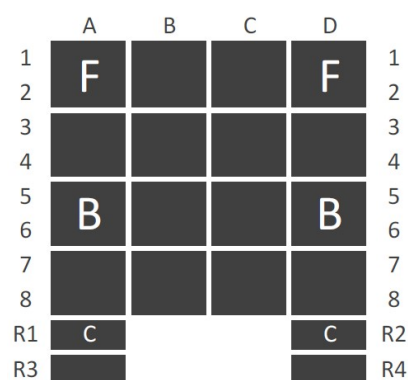


Features

The TY379/GRP01 is a 2F 2B DC Biased track Relay used for proving the absence of a train on tracks. 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

REAR VIEW OF RELAY



2F 2B CONTACTS

General characteristics

PADS Reference	-
Pin code	X531 AGHXY
Contact arrangement	2F 2B
Coil configuration	Single wound single coil
Resistance of winding(s)	4Ω
Rating	0.65V 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	Immune to 2VDC applied in the reverse sense.

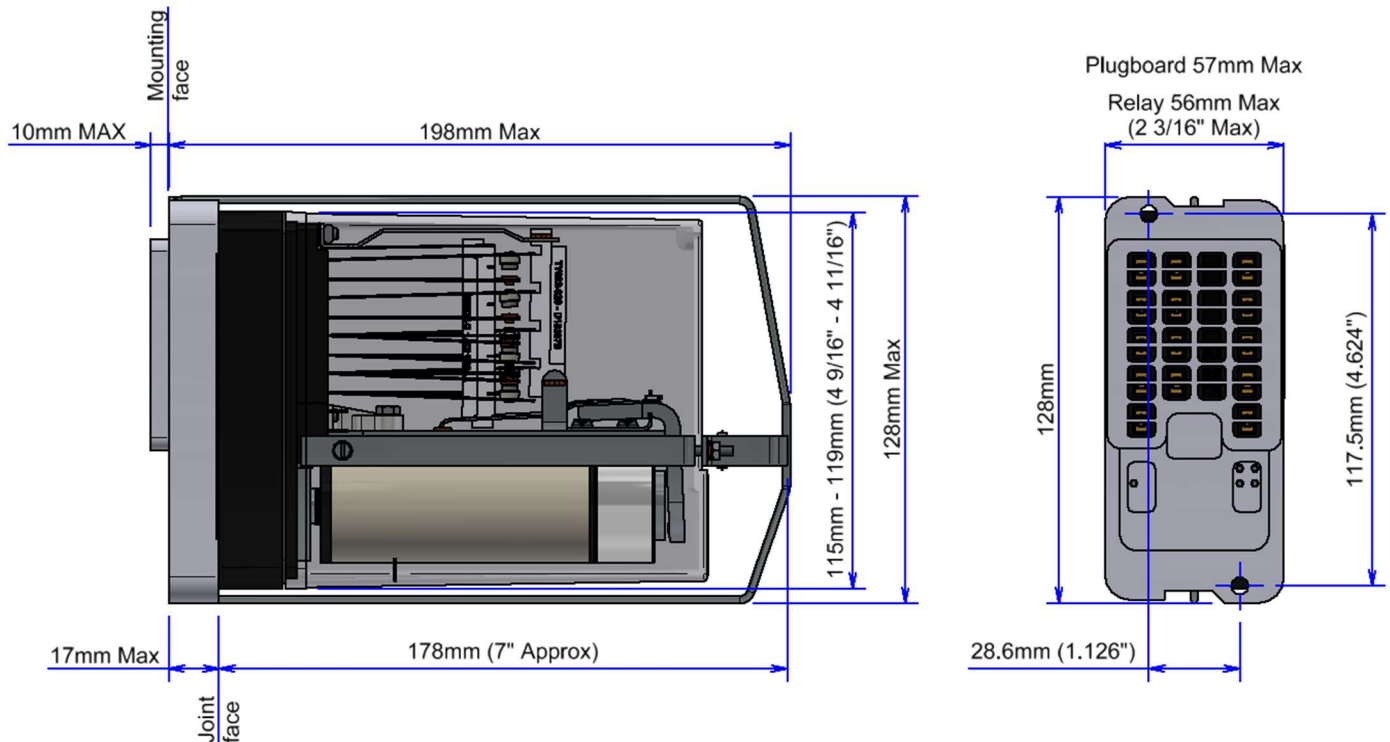
Electrical characteristics

Operate value	140mA
Full operate value	160mA
Release value	0.68 × Operating Current
Full release value	Not Specified
Operate time	Not Specified
Release time	Not Specified
Interrupt time	Not Specified
Signalling contact pressure	28 g (1 oz) min

Outline drawing

DC Biased Track Relay

TY379/GRP01



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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