

/// BR930 Series - Electromechanical Signalling Relay

TY082/GRP31

QN1 6F6B 12V

DC neutral line relay nominally to BR930.



Features

The TY082/GRP31 is a 6F 6B Neutral Line Relay for general railway trackside signalling applications where special characteristics such as AC immunity, slow release etc. are not required.

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

	A	B	C	D	
1	F	F		F	1
2					2
3	F	F		F	3
4					4
5	B	B		B	5
6					6
7	B	B		B	7
8					8
R1	C			C	R2
R3					R4

6F 6B CONTACTS

General characteristics

PADS Reference	-
Pin code	X003 ABCFX
Contact arrangement	6F 6B
Coil configuration	Single wound single coil
Resistance of winding(s)	55Ω
Rating	12 VDC
Weight	1.3 kg
Plugboard	TY081-001 PADS Ref 0085/002081 See plugboard datasheet for more information

Specific characteristics

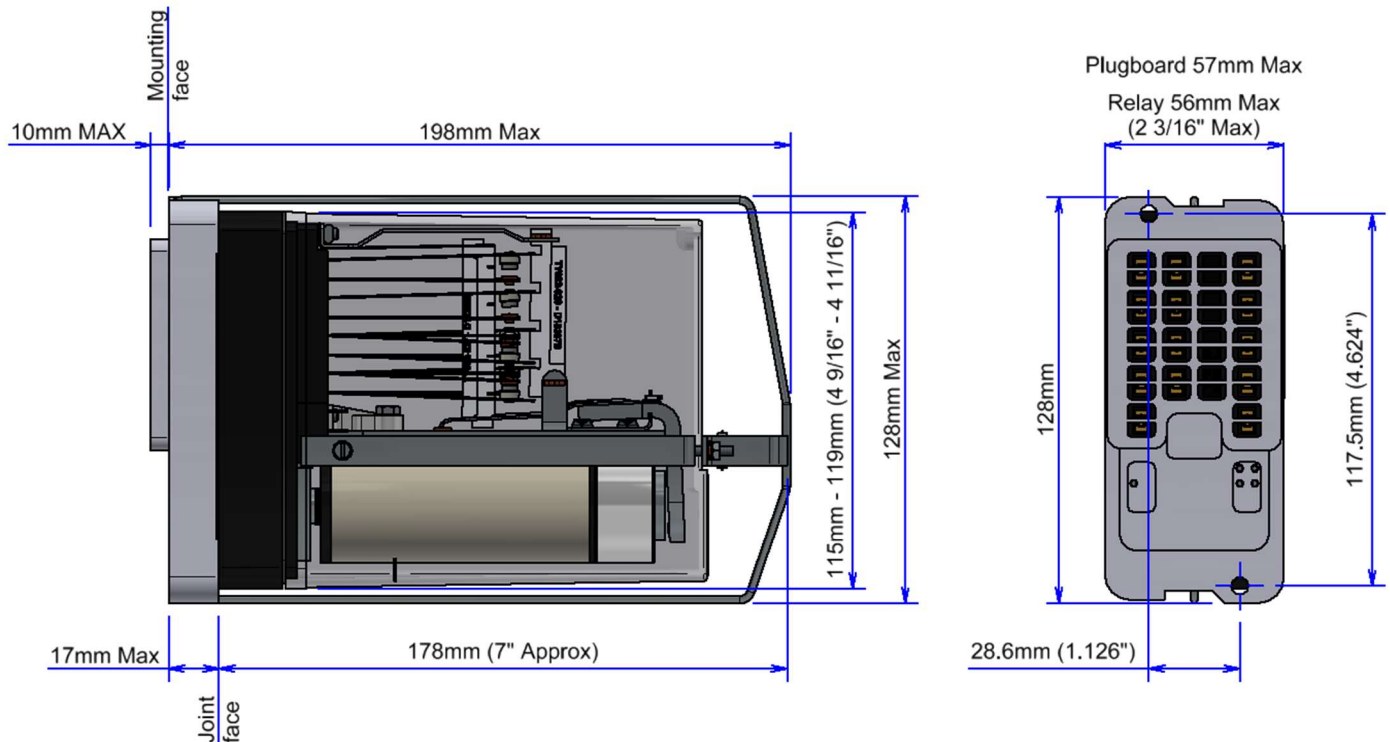
AC Immunity Coil RMS voltage at 50 Hz frequency that can be applied without generating the closing of any of the front (N/O - Normally Open) contacts	This relay is not AC immune
DC Biasing Maximum supply which can be applied connected in reverse polarity and shall not result in the breaking of any back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

Electrical characteristics

Operate value	Not specified in BR930
Full operate value	9.6V
Release value	1.8V
Full release value	1.0V
Operate time	Not specified in BR930
Release time	Not specified in BR930
Interrupt time	Not specified in BR930
Signalling contact pressure	28 g (1 oz) min

Outline drawing

DC neutral line relay nominally to BR930 TY082/GRP31



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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