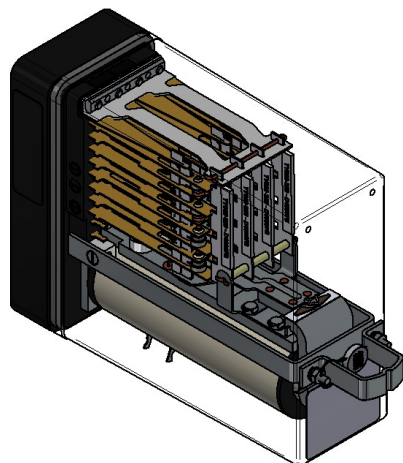


/// BR930 Series - Electromechanical Signalling Relay

TY082/GRP36

QNH 12F4B 50V

DC neutral line relay with high release voltage nominally to BR930.



Features

The TY082/GRP36 is a 12F 4B Neutral Line Relay with high release voltage for general railway trackside signalling applications where special characteristics such as AC immunity, slow release etc. are not required. This is equivalent to ZS4613. 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	F	1
2	F	F	F	F	2
3	F	F	F	F	3
4	F	F	F	F	4
5	B	F	F	B	5
6	B	F	F	B	6
7	B	F	F	B	7
8	B	F	F	B	8
R1	C			C	R2
R3					R4

12F 4B CONTACTS

General characteristics

PADS Reference	-
Pin code	207 CDGHJ
Contact arrangement	12F 4B
Coil configuration	Single wound single coil
Resistance of winding(s)	925Ω
Rating	50 VDC
Weight	1.3 kg
Plugboard	TY081-001 PADS Ref 0085/002081 See plugboard datasheet for more information

Specific characteristics

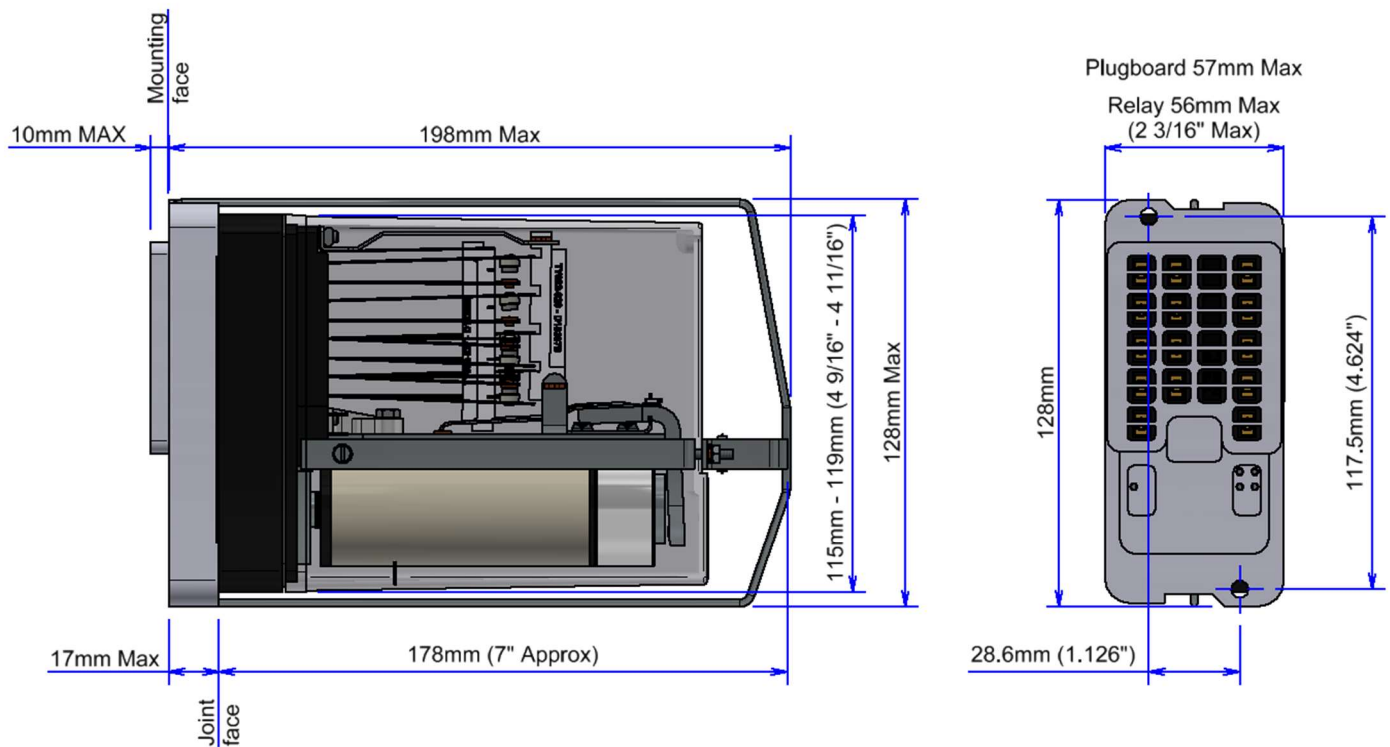
AC Immunity Coil RMS voltage at 50 Hz frequency that can be applied without generating the closing of any of the front (N/O - Normally Open) contacts	This relay is not AC immune
DC Biasing Maximum supply which can be applied connected in reverse polarity and shall not result in the breaking of any back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

Electrical characteristics

Operate value	Not specified in BR930
Full operate value	29.0-40.0V
Release value	18.0V
Full release value	Not Specified
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 with high release voltage nominally to BR930 TY082/GRP36



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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