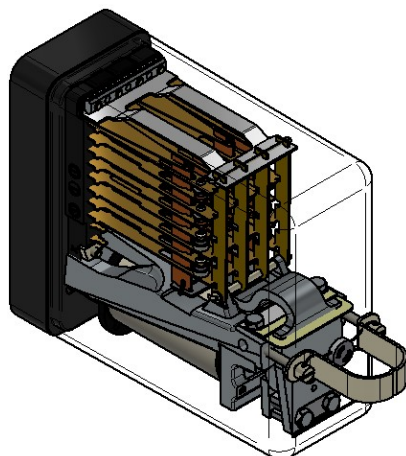


/// BR930 Series - Electromechanical Signalling Relay

ZJ5511

QPS 12N4R 24V

DC Polarised Magnetic Stick Line Relay.



Features

The ZJ5511 is a 12N 4R AC Immune Polar Stick Line Relay for where the relay is dependent on the polarity of the energising current and the contacts are to remain in their last operated position until the relay is re-energised in the opposite sense. 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	N	N	N	N	1
2					2
3	N	N	N	N	3
4					4
5	R	N	N	R	5
6					6
7	R	N	N	R	7
8					8
R1	C1			C1	R2
R3	C2			C2	R4

12N 4R CONTACTS

General characteristics

PADS Reference	0085/001150
Pin code	013 ACDFG
Contact arrangement	12N 4R
Coil configuration	Double wound single coil
Resistance of winding(s)	C1 = 320Ω & C2 = 290Ω
Rating	24 VDC
Weight	1.2 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	AC immune to 1000V 50hz
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	The operation of this relay is dependant on the correct polarity

Electrical characteristics

Operate value	10.0-18.0V
Full operate value	Not specified in BR936A
Release value	10.0-18.0V
Full release value	Not specified in BR936A
Operate time	Not specified in BR936A
Release time	Not specified in BR936A
Interrupt time	Not specified in BR936A
Signalling contact pressure	28 g (1 oz) min

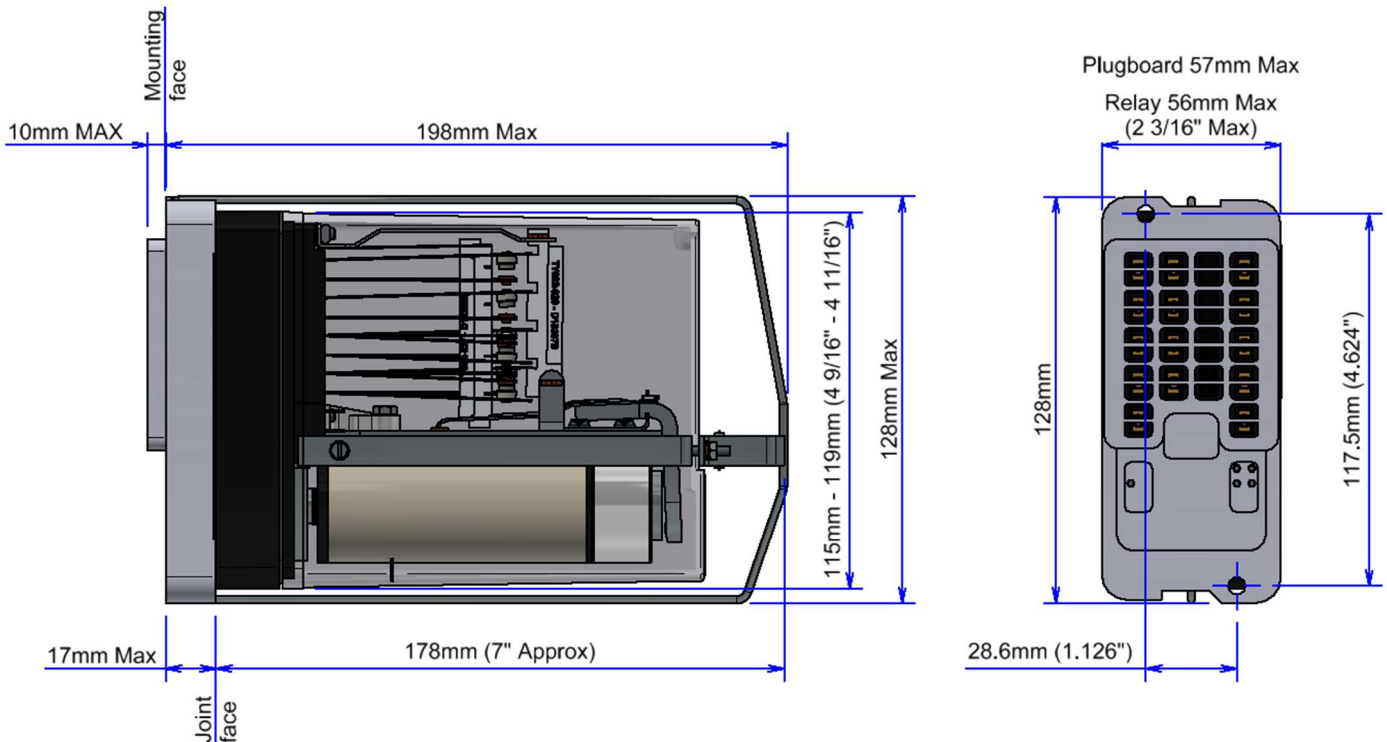
Product acceptance certification

Network Rail UK: PA05/01802

Outline drawing

DC Polarised Magnetic Stick Line Relay

ZJ5511



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!**

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_salesupport@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

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