



Features

- ★ High breakdown voltage 3000VAC between coil and contacts
- ★ 1000VAC between open contacts meeting FCC Part 68
- ★ Latching types available
- ★ 5A/250VAC switching capabilities
- ★ 1a1b and 2a configurations
- ★ UL & CUL Approval, File No.: E179936

Contact Data

Contact Form	1A + 1B, 2A
Contact Resistance	Max.: 50 mOhm
Nominal switching capacity	5A 250VAC 5A 30VDC
Max. switching power	1250VA 150W
Max. switching voltage	250VAC 30VDC
Max. switching current	5A
Contact Material	AgCdO (AgNi, AgSnO ₂ to special order)

Characteristics

Initial insulation resistance	Min. 1000MOhm
Initial breakdown voltage	3000VAC 1000VAC 2000VAC
- between coil and contacts	
- between open contacts	
- between contact sets	
Operate time (set & release)	Max. 10ms
Release time	Max. 5ms
Vibration resistance	10-55Hz, 1.5mm DA
Shock resistance	100m/s ²
Humidity	35% - 85% RH
Ambient temperature	- 40°C to +55°C
Life expectancy	
- Electrical	1 x 10 ⁵ min. operations
- Mechanical (at 180cpm)	5 x 10 ⁷ operations
Weight	5g

Coil Specifications - Single Side Stable (Non-Latching)

Nominal Voltage VDC	Pick-up Voltage / Set & Reset Voltage VDC (Max.)	Drop-out Voltage VDC (Min.)	Nominal Current (mA+10%)	Coil Resistance (Ohms +/- 10%)	Power Consumption (mW)
1.5	1.2	0.15	200	7.5	300
3	2.4	0.3	100	30	300
5	4	0.5	60	83	300
6	4.8	0.6	50	120	300
9	7.2	0.9	33.3	270	300
12	9.6	1.2	25	480	300
24	19.2	2.4	12.5	1920	300

ME5 Series

Coil Specifications - Latching (2 coils)

Nominal Voltage VDC	Set & Reset Voltage VDC (Max.)	Nominal Current (mA+/-10%)	Coil Resistance (Ohms +/- 10%)	Power Consumption (mW)
1.5	1.2	200	7.5	300
3	2.4	100	30	300
5	4	60	83	300
6	4.8	50	120	300
9	7.2	33.3	270	300
12	9.6	25	480	300
24	19.2	12.5	1920	300

Coil Specifications - Latching (1 coil)

Nominal Voltage VDC	Set & Reset Voltage VDC (Max.)	Nominal Current (mA+/-10%)	Coil Resistance (Ohms +/- 10%)	Power Consumption (mW)
1.5	1.2	100	15	300
3	2.4	50	60	300
5	4	30	167	300
6	4.8	25	240	300
9	7.2	16.7	540	300
12	9.6	12.5	960	300
24	19.2	6.3	3840	300

Ordering Information

ME5C	- L2	- 24	- 2A
Model No.	Coil Style	Coil Voltage	Contact Form
ME5C	Nil: Single Single Side Stable L1: 1 Coil Latching L2: 2 Coil Latching	1.5VDC - 24VDC	1A1B: 1 Form A + 1 Form B 2A: 2 Form A
SINGLE SIDE STABLE / 1 COIL LATCH		2 COIL LATCH	SCHEMATIC
PCB LAYOUT			

WILLOW TECHNOLOGIES LTD. Shawlands Court, Newchapel Road, Lingfield, Surrey. RH7 6BL

Tel: +44 (0) 1342 835234 Fax: +44 (0) 1342 834306 Email: sales@willow.co.uk