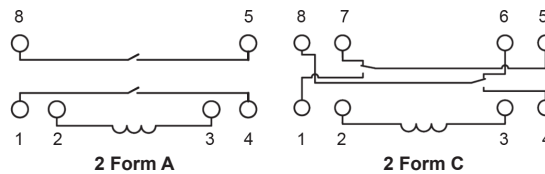




Schematic View



Features

- Multi-pole 2 Form A & 2 Form C designs
- High reliability instrumentation grade reed switch with sputtered Ruthenium Form A contacts
- High insulation resistance
- Metal cover (reduces magnetic interaction)

Contact Form: 2 Form A (DPST-NO) / 2 Form C (DPDT)

Coil Data

Nominal Coil Voltage	Nominal Coil Resistance	Max. Operating Voltage	Min. Release Voltage	Max. Coil Voltage
(V DC)	$\pm 10\% \Omega$	(V DC)	(V DC)	(V DC)
5	175	3.75	0.4	7
12	1000	9	1	16

Contact Rating

Contact Form	2 Form A	1 Form C
Switching Power (Max.)	10W	5W
Switching Voltage (Max.)	200V DC	100V DC
Switching Current (Max.)	0.5A	0.25A
Carrying Current (Max.)	1.5A	1A

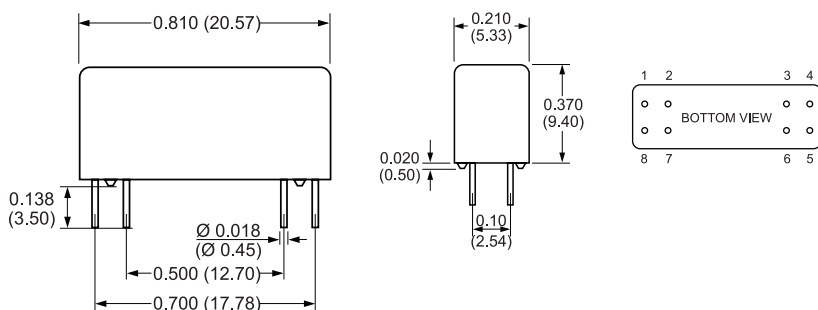
Specifications

Contact Form	2 Form A	1 Form C
Static Contact Resistance(Initial)	150m Ω	200m Ω
Dielectric Strength Between Contacts (Min.)	250V DC	200V DC
Dielectric Strength Contacts to Shield (Min.)	1000V DC	-
Dielectric Strength Contacts / Shield to Coil (Min.)	1000V DC	1000V DC
Insulation Resistance Between all Isolated Pins @ 100V, 25(degree)C, 40%RH (Min.)	10 ¹² Ω	10 ⁹ Ω
Capacitance - Typical No Shield	0.8pF	2pF
Capacitance - Typical Shield Guarding	0.2pF	-
Operate Time (Including Bounce Time) - (Typ.)	0.5ms	1.5ms

Multi-Pole Instrumentation Reed Relay

Contact Form	2 Form A	1 Form C
Release Time - (Typ.)	0.15ms	2ms
Vibration	20G	
Shock	50G	
Operating Temperature	-20°C to +85°C	
Storage Temperature	-40°C to +100°C	
Life Expectancy @ Specified Load	500 × 10 ⁶ ops (1V DC, 10mA)	100 × 10 ⁶ ops (1V DC, 10mA)

Dimensions



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Reed Relay, DPST-NO, 5V DC, 175Ω, 200V DC, 0.5A, THT	MCBFH-2A-05
Reed Relay, DPDT, 5V DC, 175Ω, 100V DC, 0.25A, THT	MCBFH-2C-05
Reed Relay, DPDT, 12V DC, 1kΩ, 100V DC, 0.25A, THT	MCBFH-2C-12

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell Limited 2016.