



## Type 1A—style SM5B

- ☐ Fully approved to DEF5165 style SM5B.
- ☐ Hermetically sealed, with glass-to-metal seal base.
- ☐ High sensitivity.
- ☐ Single changeover, balanced armature.
- ☐ Suitable for use under conditions of acceleration, vibration and impact.

## Electrical specification

Operate time :	12ms at 100mW power 50ms at 20mW power
Bounce time :	5ms
Switching rate :	Capable of 300 ops/minute
Nominal operate power at 15·6°C :	10mW
Maximum permissible coil dissipation :	1·0W at 70°C 0·5W at 100°C
Maximum working voltage (coil and/or springset to frame) :	300V a.c. 50Hz
Voltage proof	
Between all parts not electrically connected :	1000V a.c. at 50Hz
Insulation resistance :	500MΩ (min.) at 500V d.c.

## Coil Data (DEF5165 preferred types, Style SM5B)

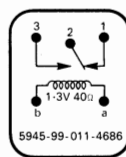
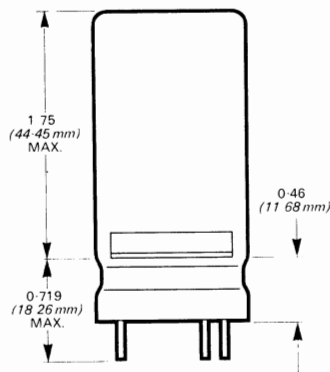
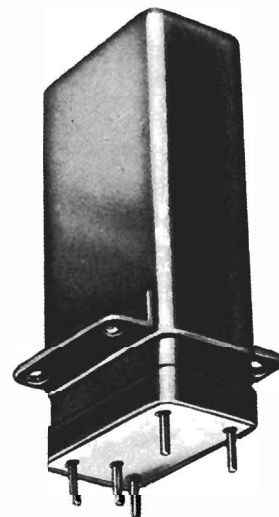
Other coil resistances are available with values ranging from 0·25Ω to 14,500Ω and minimum operate currents from 200 to 0·85mA.

Nominal d.c. coil voltage	Nominal coil resistance Ω at 15·6°C	Limit circuit current (mA)
1·3	40±5%	19·5
6	720±5%	5·2
12	3100±5%	2·5
24–48	12,000±15%–10%	1·15
Constant current supply	14,000±10%	0·85

## Contact Data

Contact arrangements available	Contact material	Contact rating (resistive load) and contact life
1c	Palladium	100mA at 300V d.c. – 10 <sup>6</sup> ops. 500mA at 50V d.c. – 10 <sup>6</sup> ops. 1A at 12V d.c. – 10 <sup>6</sup> ops.

Note : For d.c. loads an adequate spark quench must be fitted.



TYPICAL SCHEMATIC

