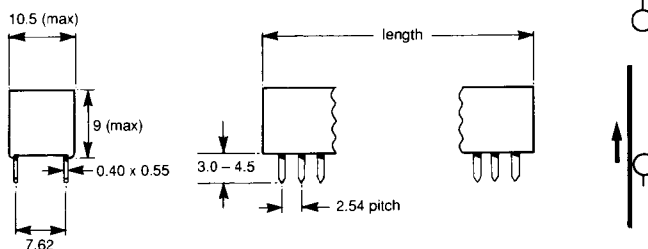
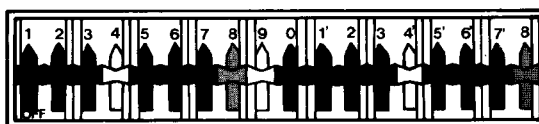


## SpectraDIL ON/OFF s.p.s.t.

## SDS 023 series

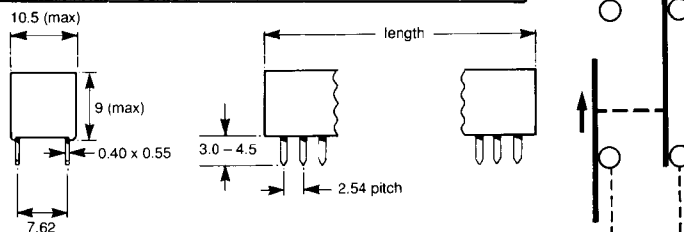
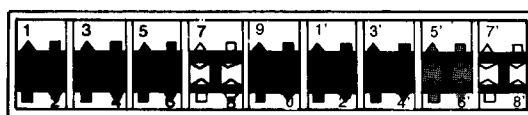
Number of s.p.s.t.	Part No's SDS-plus suffix	BS 9566 F001	Length mm max
1	1-023 ©	—	4.0
2	2-023 ©	A2	6.7
3	3-023 ©	—	9.0
4	4-023 ©	A4	11.8
5	5-023 ©	—	14.1
6	6-023 ©	A6	16.8
7	7-023 ©	—	19.2
8	8-023 ©	A8	21.9
9	9-023 ©	—	24.3
10	10-023 ©	A10	27.0
12	12-023 ©	A12	32.1
14	14-023 ©	A14	37.2
16	16-023 ©	A16	42.2
18	18-023 ©	A18	47.3



## SpectraDIL CHANGEOVER s.p.d.t.

## SDC 023 series

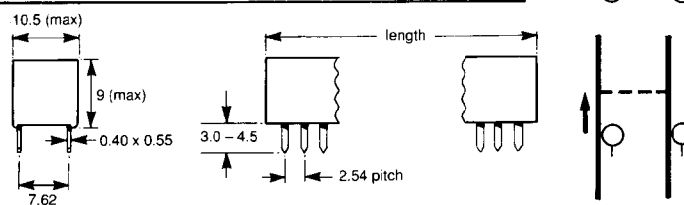
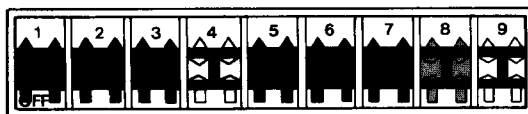
Number of s.p.d.t.	Part No's SDC-plus suffix	BS 9566 F001	Length mm max
1	1-023 ©	B1	6.7
2	2-023 ©	B2	11.8
3	3-023 ©	B3	16.8
4	4-023 ©	B4	21.9
5	5-023 ©	B5	27.0
6	6-023 ©	B6	32.1
7	7-023 ©	B7	37.2
8	8-023 ©	B8	42.2
9	9-023 ©	B9	47.3



## SpectraDIL GANGED ON/OFF d.p.s.t.

## SDD 023 series

Number of d.p.s.t.	Part No's SDD-plus suffix	BS 9566 F001	Length mm max
1	1-023 ©	C1	6.7
2	2-023 ©	C2	11.8
3	3-023 ©	C3	16.8
4	4-023 ©	C4	21.9
5	5-023 ©	C5	27.0
6	6-023 ©	C6	32.1
7	7-023 ©	C7	37.2
8	8-023 ©	C8	42.2
9	9-023 ©	C9	47.3



© = Also held by most distributors

## Principal Electrical and Performance Data at 20°C, 70% R.H.

### Contact Ratings

Non Switching: 100Vac, 5A. Switching: 1μV to 100V, 1μA to 1A up to 10VA.

### Initial Contact Resistance (at 10mV, 10mA max.)

Typical: 10mΩ. Max. 20mΩ.

### Insulation resistance (at 500 Vdc min.) 10,000MΩ.

### Life:

For the first 1000 closures the standard deviation of the change in resistance from the mean is usually less than 1mΩ. Mechanical wear out of the sliding actuator is usually observed after 10,000 operations.

### Dielectric Strength

1 minute: 500V r.m.s. 50Hz.

### Capacitance between open contacts: < 1pf. at 1 KHz.

### Temperature

Operating range for continuous electrical use and manual operation is restricted to -55°C to +100°C for standard products.

### Humidity

BS 2011 Test Ca: 56 days.

### Bump

BS 2011 Test Eb: No contact interruptions > 1μs during 4000 bumps at 390m/s<sup>2</sup> (40g).

### Acceleration

BS 2011 Test Ga: No contact interruptions > 1μs during test at 980 m/s<sup>2</sup> (100g).

### Vibration

BS 2011 Test Fc: 10 to 2000Hz. No contact interruptions > 1μs during test at 147 m/s<sup>2</sup> (15g) or 1.0mm displacement amplitude.

### Shock

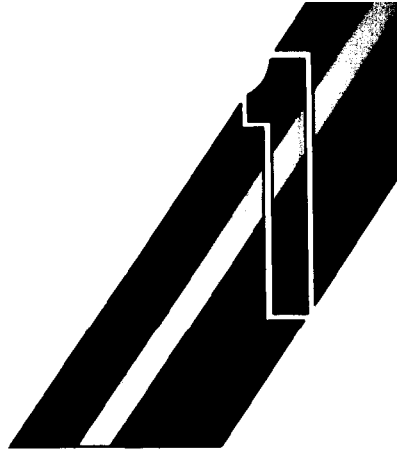
BS 2011 Test Ea: 980 m/s<sup>2</sup> (100g). No contact interruptions > 1μs during test.

### Soldering

Solderability: < 2 seconds to wet at 235°C as per IEC 68 and BS 2011 Test T, solder bath method.

Resistance to Soldering heat as per IEC 68 and BS 2011 10 seconds satisfactory at 260°C when mounted on 1.5mm PCB.

# SpectraDIL – 023 style SDS, SDC and SDD ranges



This is U.K. industry's standard range of dual in line programme switches which feature:

- 1 to 18 selectable s.p.s.t. For 1 to 18 s.p.d.t. (3 pins/pole) see SCS overleaf.
- 1 to 9 selectable d.p.s.t. or s.p.d.t. (PCB linked).
- Large numerals and EIA colour coded sliders which are recessed to prevent unintentional changes to the settings.
- Base and tape sealed for flow soldering and solvent/aqueous washing.
- In depth, production volume stocks held in Dunstable and at most distributors.
- 1 $\mu$ m hard gold plated wiping contact gives high reliability in low level circuits.
- BS 9566 F0001 approved, and BT D5002 listed.
- Approved to BT D8173.

