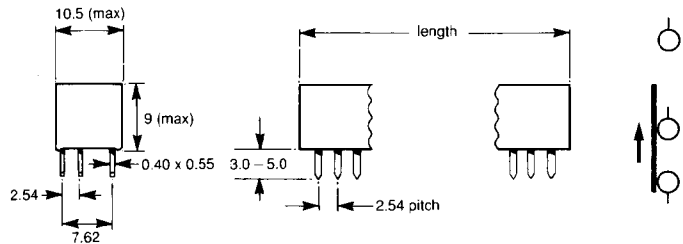
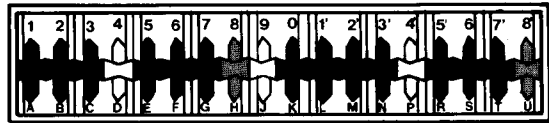


Spectra C CHANGEOVER TRIPLE IN LINE s.p.d.t.

SCS-023 series

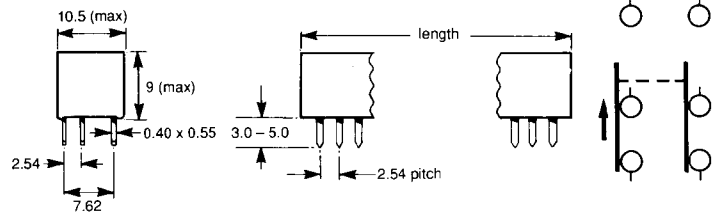
Number of s.p.d.t.	Part No's SCS-plus suffix	Length mm max
1	1-023 ©	4.0
2	2-023 ©	6.7
3	3-023 ©	9.0
4	4-023 ©	11.8
5	5-023 ©	14.1
6	6-023 ©	16.8
7	7-023 ©	19.2
8	8-023 ©	21.9
9	9-023 ©	24.3
10	10-023 ©	27.0
12	12-023	32.1
14	14-023	37.2
16	16-023	42.2
18	18-023	47.3



Spectra C GANGED CHANGEOVER TRIPLE IN LINE d.p.d.t.

SCS-G-023 series

Number of d.p.d.t.	Part No's SCS-plus suffix	Length mm max
1	1G2-023 ©	6.7
2	2G2-023	11.8
3	3G2-023	16.8
4	4G2-023	21.9
5	5G2-023	27.0
6	6G2-023	32.1
7	7G2-023	37.2
8	8G2-023	42.2
9	9G2-023	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: 1 μ V to 100V, 1 μ A to 1A up to 10VA.

Initial Contact Resistance (at 10mV, 10mA max.)
Typical: 10m Ω . Max. 20m Ω .

Insulation resistance (at 500 Vdc min.) 10,000M Ω .

Life:

For the first 1000 closures the standard deviation of the change in resistance from the mean is usually less than 1m Ω . 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 > 1 μ s during 4000 bumps at 390m/s² (40g).

Acceleration

BS 2011 Test Ga: No contact interruptions > 1 μ s during test at 980 m/s² (100g).

Vibration

BS 2011 Test Fc: 10 to 2000Hz. No contact interruptions > 1 μ s during test at 147 m/s² (15g) or 1.0mm displacement amplitude.

Shock

BS 2011 Test Ea: 980 m/s² (100g). No contact interruptions > 1 μ s 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.

Spectra C – 023 style

The PCB space saver

Using a third common contact pin halves the PCB area to maximise code setting on crowded PCB's. They are also used widely for two-state, pull up/pull down resistor setting.

- 1 to 18 selectable s.p.d.t. or 1 to 9 d.p.d.t contacts.
- Large numerals and EIA colour coded sliders.
- Base and tape seal for flow soldering and solvent/aqueous washing.
- In depth, production volume, stocks held in Dunstable. Some items held by distributors.
- 1µm hard gold plated, wiping contact gives high reliability.
- Mixed s.p.d.t. and s.p.s.t., special colours and customised codes available on short lead times.

