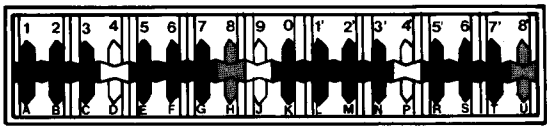
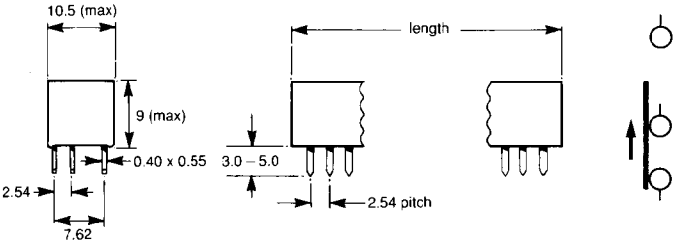
Spectra C CHANGEOVER TRIPLE IN LINE s.p.d.t.

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

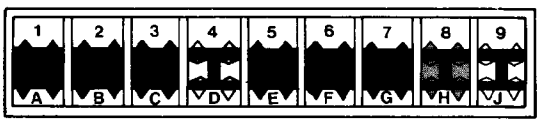


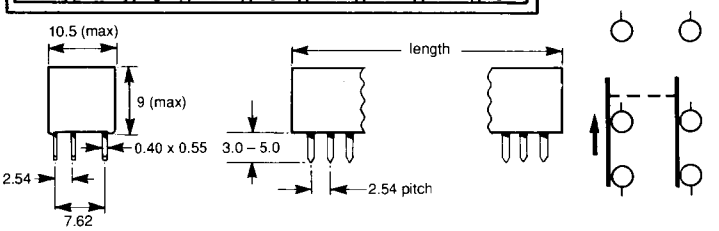


Spectra C GANGED CHANGEOVER TRIPLE IN LINE d.p.d.t.

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: 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/s² (40g).

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

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

Shock
BS 2011 Test Ea: 980 m/s² (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.

Erg Industrial Corporation Ltd., Luton Road, Dunstable, Bedfordshire LU5 4LJ, England. Tel: 01582 662241 Fax: 01582 600767

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.