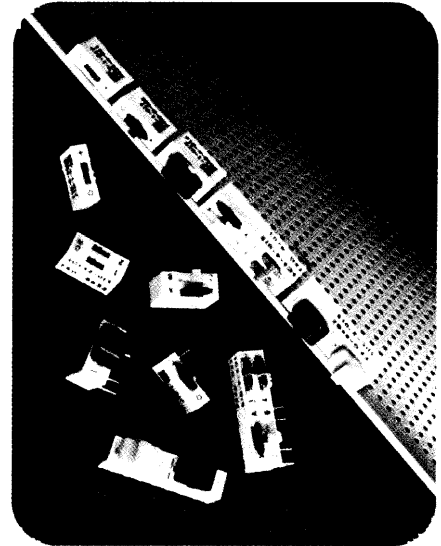# Erg Components

LOW PROFILE EDGE MOUNTING PCB SWITCHES

● **From only 3mm high.**

● **Up to 4 changeover or ON/OFF contacts.**

● **Front marking and easy to operate sliders.**

● **Patented 1 micron hard gold plated contacts.**

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

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

Initial Contact Resistance – (at 10mV, 10mA max.) Typical: 10mΩ.

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

Life: 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 +85°C for standard products.
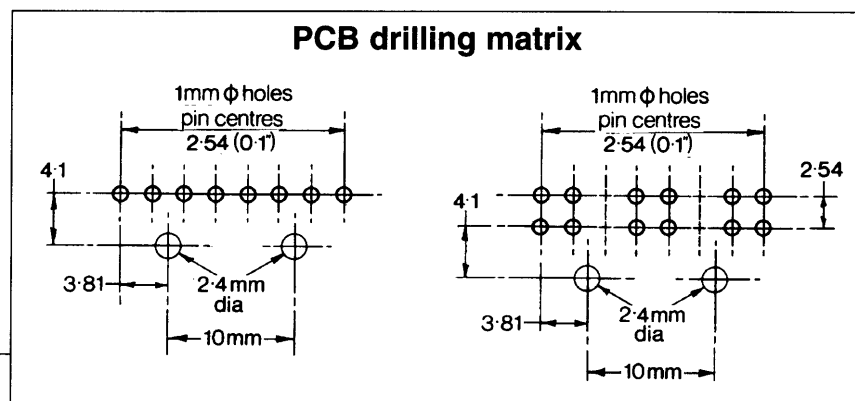
Operating Force – Per Pole – Typical: 4N

Humidity – BS 2011 Test Ca: 56 days.

Soldering – Solderability: <2 seconds to wet at 235°C as per IEC 68 and BS 2011 Test T, solder bath method. We recommend that these switches are post fitted after PCB cleaning has been carried out.
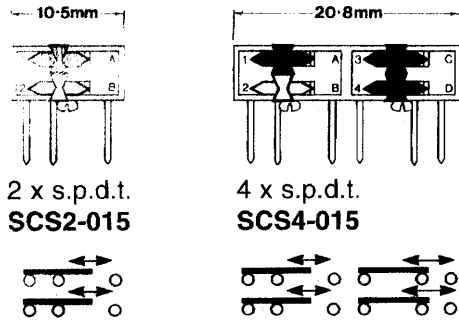
Resistance to Soldering heat as per IEC 68 and BS 2011 10 seconds satisfactory at 260°C when mounted on 1.5mm p.c.b.

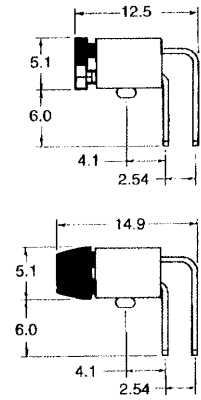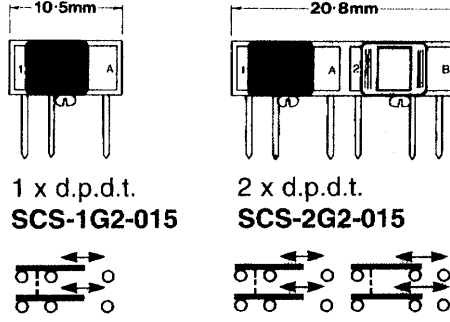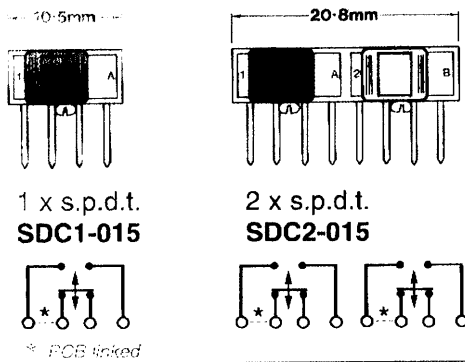*Samples for development available from our factory maintained stocks.*

PCB drilling matrix

1mm φ holes
pin centres
2·54 (0·1")
4·1
3·81
2·4mm dia
10mm

1mm φ holes
pin centres
2·54 (0·1")
2·54
4·1
3·81
2·4mm dia
10mm

Erg Components

Dual in line
(centre common pin)

|← 10·5mm →|

2 x s.p.d.t.
SCS2-015

|← 20·8mm →|

4 x s.p.d.t.
SCS4-015

Dual in line – Ganged style
(centre common pin)

|← 10·5mm →|

1 x d.p.d.t.
SCS-1G2-015

|← 20·8mm →|

2 x d.p.d.t.
SCS-2G2-015

12.5
5.1
6.0
4.1
2.54

14.9
5.1
6.0
4.1
2.54

Single in line
(PCB linked)

|← 10·5mm →|

1 x s.p.d.t.
SDC1-015

|← 20·8mm →|

2 x s.p.d.t.
SDC2-015

* PCB linked

Single in line
(centre common pin)

1 x s.p.d.t.
SCS-1-017

1 x s.p.d.t.
SCLS-1-017
(Flush slider)

8
3
6

9.6
3
6

11.6
5.1
6.0
4.1

Single in line

|← 10·5mm →|

2 x s.p.s.t.
SDS2-015

|← 20·8mm →|

4 x s.p.s.t.
SDS4-015
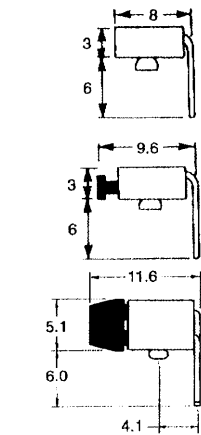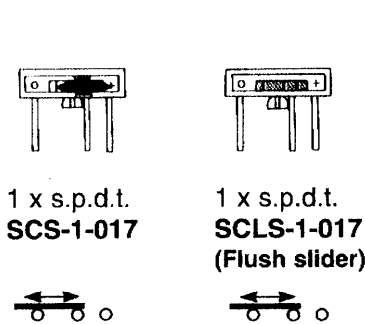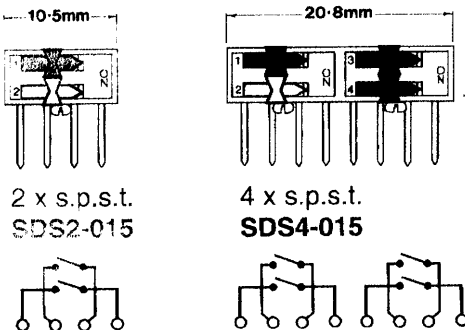
Single in line
Flush sliders

|← 10·5mm →|

2 x s.p.s.t.
SDLS-2-015

|← 20·8mm →|

4 x s.p.s.t.
SDLS-4-015

9.6
5.1
6.0
4.1

7.5
5.1
6.0
4.1
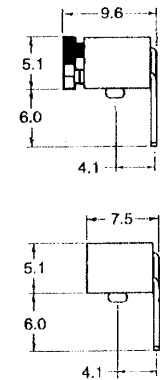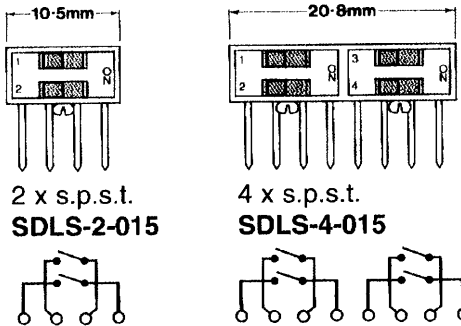
Single in line – Ganged style
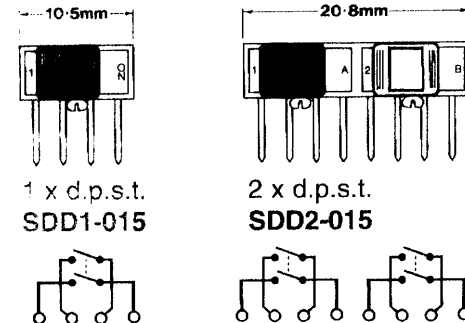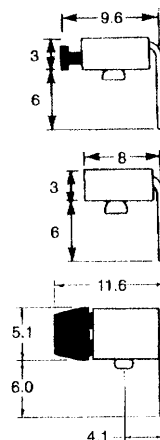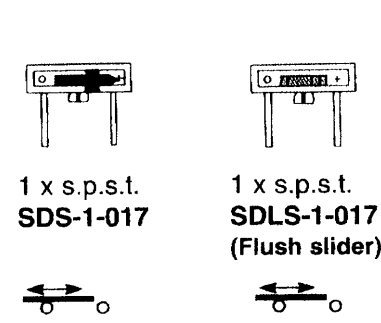
|← 10·5mm →|

1 x d.p.s.t.
SDD1-015

|← 20·8mm →|

2 x d.p.s.t.
SDD2-015

Single in line

1 x s.p.s.t.
SDS-1-017

1 x s.p.s.t.
SDLS-1-017
(Flush slider)

9.6
3
6

8
3
6

11.6
5.1
6.0
4.1

Erg Components

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