

Key Operated Switches - continued

2 and 3 Position - K2/3 - continued

2A @ 250V ac, 4A @ 125V ac, 10A @ 12V dc - continued

| | Order Code | 1+ | 5+ | 10+ | 25+ |
|-------------------------------------------------------------------------|-----------------|--------|--------|--------|--------|
| 2 positions, 2 N/O sets of contacts, (DP Off/On) | 116-2584 | 940.00 | 888.00 | 827.00 | 765.00 |
| 2 positions 1 N/O, 1 N/C sets of contacts, (cross connection give SPDT) | 116-2586 | 940.00 | 888.00 | 827.00 | 772.00 |
| 3 positions SPDT, centre off | 116-2578 | 940.00 | 888.00 | 827.00 | 786.00 |

DIL Switches

Half Pitch - Surface Mount



- Compact half pitch 1.27mm package
- Gold wiping contact system
- Flammability rating of **UL94V-0**

H=2.30, W=6.00, Pins = 7.6 x 1.27 spacing

| | | | |
|-----------------------------|------------------------------------|------------------------|---------------|
| Moving contacts | Gold over nickel over copper alloy | Insulation Resistance: | 300 |
| Fixed contact: | Gold over nickel over copper alloy | Operating life: | 1000 ops |
| Contact rating | 0.4VA25mA @ 24VDC | Operating temperature: | -30°C to 85°C |
| Initial contact resistance: | 100mR | | |

SW368/236365

| No. of Ways | Length | Mftrs. List No. | Order Code | 1+ | 25+ | 100+ | 250+ |
|-------------|--------|-----------------|--------------------|--------|--------|--------|--------|
| 2 | 3.66 | GDH02S | SMD 312-678 | 143.00 | 125.00 | 114.00 | 102.00 |
| 4 | 6.20 | GDH04SFN | SMD 312-680 | 157.00 | 139.00 | 125.00 | 112.00 |
| 6 | 8.75 | GDH06SFN | SMD 312-691 | 208.00 | 183.00 | 165.00 | 148.00 |
| 8 | 11.92 | GDH08SFN | SMD 312-708 | 271.00 | 239.00 | 215.00 | 193.00 |
| 10 | 13.82 | GDH10SFN | SMD 312-710 | 332.00 | 287.00 | 250.00 | 222.00 |

Half Pitch

High or Low Profile



Low Profile H=1.5, W=4.5, L=6.31 - 4 way
11.39 - 8 way
High Profile H=2.3, W=5.4, L=11.56

- Single pole single throw half pitch DIL switches
- Available in low or high profile
- Recessed Actuator
- **UL** recognised

| | | | |
|-----------------------|-------------------------|-----------------------|------------|
| Contacts | Gold plated over nickel | Terminals | Gold |
| Contact rating | 25mA24Vdc100mA | Life expectancy | 2000 ops. |
| | 50Vdc non switching | Insulation resistance | 100MR@500V |
| Operating temperature | -30°C to 85°C | | |
| Dielectric Strength | 300Vac 1 min. | | |

It is recommended to solder switches in the 'off' factory supplied position

213299

| | Order Code | 1+ | 25+ | 50+ | 100+ | + |
|---------------------|---------------------|--------|--------|--------|--------|----|
| Low Profile | | | | | | |
| 4 | SMD 947-2100 | 136.00 | 119.00 | 111.00 | 89.00 | -- |
| 8 | SMD 947-2118 | 121.00 | 115.00 | 103.00 | 97.00 | -- |
| High Profile | | | | | | |
| 8 | SMD 947-2096 | 128.00 | 122.00 | 108.00 | 102.00 | -- |

DS and DP Series

100mA @ 50V dc



Top actuated H=6.9, W=6.6
Side actuated H=9.9, W=11.52
Piano key actuated H=10.3, W=11.7

Pin dia=0.6, Pins=7.62 x 2.54 spacing

- Gold plated contacts and terminals, single throw
- Suitable for most cleaning and soldering processes
- Choice of top actuators or 'piano key' actuators

| | | | |
|-----------------------|---------------|----------------------------|-----------------|
| Dielectric strength | 500V dc | Initial contact resistance | 50mR |
| Operating temperature | -40°C to 70°C | Insulation resistance | 100MR @ 500V dc |

It is recommended to solder switches in the 'off' factory supplied position

213171

| No. of Ways | Length | Mftrs. List No. | Order Code | 1+ | 50+ | 100+ | 500+ | + |
|---------------------------|--------|-----------------|-----------------|-------|-------|-------|-------|----|
| Top Actuated | | | | | | | | |
| 2 | 6.60 | MCDS02 | 947-2126 | 34.00 | 29.00 | 24.00 | 21.00 | -- |
| 4 | 11.68 | MCDS04 | 947-1570 | 40.00 | 28.00 | 26.00 | 24.00 | -- |
| 6 | 16.76 | MCDS06 | 947-1588 | 46.00 | 32.00 | 31.00 | 28.00 | -- |
| 8 | 21.84 | MCDS08 | 947-1596 | 51.00 | 42.00 | 35.00 | 31.00 | -- |
| 10 | 26.92 | MCDS10 | 947-2134 | 61.00 | 42.00 | 40.00 | 37.00 | -- |
| 12 | 32.00 | MCDS12 | 947-2142 | 70.00 | 50.00 | 48.00 | 44.00 | -- |
| Side Actuated | | | | | | | | |
| 4 | 11.72 | MCDA04 | 947-1545 | 59.00 | 55.00 | 53.00 | 48.00 | -- |
| 6 | 16.8 | MCDA06 | 947-1553 | 64.00 | 61.00 | 57.00 | 52.00 | -- |
| 8 | 21.88 | MCDA08 | 947-1561 | 74.00 | 71.00 | 68.00 | 61.00 | -- |
| Piano Key Actuated | | | | | | | | |
| 4 | 11.71 | MCDP04 | 947-1600 | 36.00 | 35.00 | 34.00 | 32.00 | -- |
| 6 | 16.80 | MCDP06 | 947-1618 | 40.00 | 39.00 | 37.00 | 34.00 | -- |
| 8 | 21.87 | MCDP08 | 947-1626 | 50.00 | 48.00 | 47.00 | 42.00 | -- |

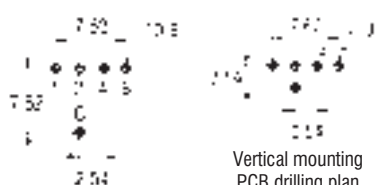
Rotary DIL Switches

Sealed PCB Mounting

100mA @ 50V dc (non-switching), 30mA @ 15V dc (switching)



Horizontal mounting H=4.8, W=10, D=10
Vertical mounting H=10, W=10, D=6.9
Pins = 0.65 x 0.35



- Very positive click action
- Washable
- Screwdriver setting
- Available BCD (10 positions, 0 - 9) and hex (16 positions, 0 - 9, A - F)

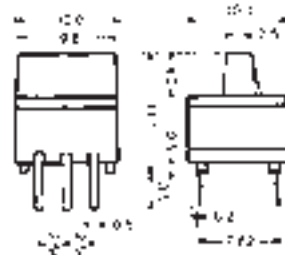
| | | | |
|-----------------------|------------------|-----------------------|----------------|
| Contact material | Gold over Nickel | Dielectric strength | 250V for 1 min |
| Contact resistance | <100mR | Mechanical life | 20000ops |
| Insulation resistance | 1000MR @ 250V dc | Operating temperature | -25°C to 75°C |

213160

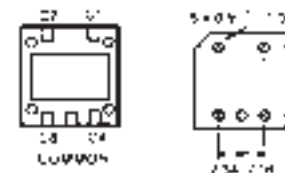
| | Mftrs. List No. | Order Code | 1+ | 25+ | 100+ | 250+ | + |
|-------------------|-----------------|-----------------|--------|--------|--------|--------|----|
| Horizontal | | | | | | | |
| BCD | DRS3010 | 119-0426 | 393.00 | 344.00 | 305.00 | 235.00 | -- |
| HEX | DRS3016 | 119-0425 | 393.00 | 344.00 | 305.00 | 235.00 | -- |
| HEX inverse | DRS3116 | 981-0455 | 393.00 | 344.00 | 305.00 | 235.00 | -- |
| Vertical | | | | | | | |
| BCD | DRR3010 | 119-0427 | 417.00 | 366.00 | 321.00 | 250.00 | -- |
| HEX | DRR3016 | 981-0439 | 422.00 | 370.00 | 324.00 | 252.00 | -- |
| HEX inverse | DRR3116 | 119-0431 | 417.00 | 366.00 | 321.00 | 250.00 | -- |

Knob Control

125mA @ 30V



- Large coloured knob with 'V' cut-out to indicate code selected
- Selection of knob colours
- Available BCD (10 positions, 0 - 9) and hex (16 positions, 0 - 9, A - F)



Bottom view

| | |
|-------------------------------------|---------------------------------------|
| Maximum static contact rating | 125mA @100V rms non switched @ 85° |
| Contact resistance (10mV, 10mA max) | 100mR |
| Body material | Black polyamide, UL recognised |
| Insulation resistance | 1000MR @ 240V dc min |
| Dielectric strength | 250V rms for 1 minute |
| Capacitance | <5pF @ 1 MHz |
| Operating life | 20000 ops |
| Operating temperature | -55°C to 85°C |

213332