





Mechanical

Mechanical Life : 2,000 operations per switch. : 400gf max. (DP Series) Operation Force

1,000gf max. (DS & DA Series)

Stroke : 2.0mm

Operation Temperature : -20°C to +70°C Storage Temperature : -40°C to +85°C

Electrical

Electrical Life : 2,000 operations per switch 24V DC,25mA

Non-Switching Rating : 100mA, 50V DC Switching Rating : 25mA, 24VDC Contact Resistance : $50m\Omega$ max. at initial Insulation Resistance :{at 500 VDC} $100M\Omega$ min. Dielectric Strength : 500VAC / 1 minute

Circuit : SPST

Materials

Base : Thermoplastic

Colour : Black

Cover : Thermoplastic Colour : Red, Black, Blue Actuator : High Thermoplastic

Colour : White

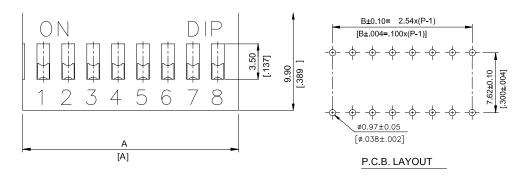
: Phosphor bronze with gold plating over nickel Contact

Top Seal : Polyester Film

Potting Material : Epoxy

Dimensions:

DS(R)

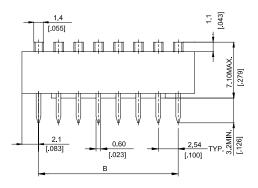


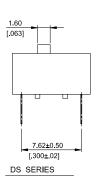
Dimensions: Millimetres (Inches)



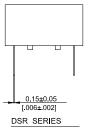


DS(R)



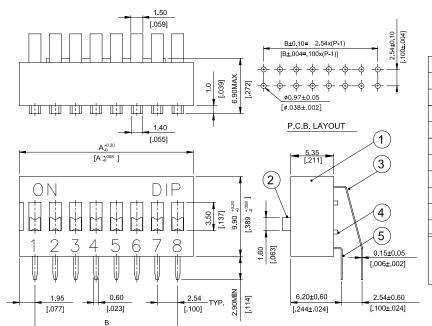


DS -12 DSR-12	12	31.84[1.254]	27.94[1.100]		
DS -10 DSR-10	10	26.76[1.054]	22.86[.900]		
DS -09 DSR-09	9	24.22[.954]	20.32[.800]		
DS -08 DSR-08	8	21.68[.854]	17.78[.700]		
DS -07 DSR-07	7	19.14[.754]	15.24[.600]		
DS -06 DSR-06	6	16.60[.654]	12.70[.500]		
DS -05 DSR-05	5	14.06[.554]	10.16[.400]		
DS -04 DSR-04	4	11.52[.454]	7.62[.300]		
DS -03 DSR-03	3	8.98[.354]	5.08[.200]		
DS -02 DSR-02	2	6.44[.254]	2.54[.100]		
PROD. NO.	NO. OF POS.	DIM. A	DIM. B		
SCHEMATIC(TYP.)					
, ,					



Dimensions: Millimetres (Inches)

DA



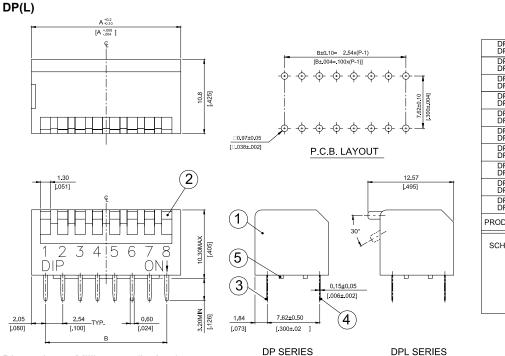
DA-12	12	31.84[1.254]	27.94[1.100]	
DA-10	10	26.76[1.054]	22.86[.900]	
DA-09	9	24.22[.954]	20.32[.800]	
DA-08	8	21.68[.854]	17.78[.700]	
DA-07	7	19.14[.754]	15.24[.600]	
DA-06	6	16.60[.654]	12.70[.500]	
DA-05	5	14.06[.554]	10.16[.400]	
DA-04	4	11.52[.454]	7.62[.300]	
DA-03	3	8.98[.354]	5.08[.200]	
DA-02	2	6.44[.254]	2.54[.100]	
PROD. NO.	NO. OF POS.	DIM. A	DIM. B	
SCHEMATIC(TYP.)				

Dimensions: Millimetres (Inches)

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DP -12 DPL-12	12	32.04[1.261]	27.94[1.100]			
DP -10 DPL-10	10	26.96[1.061]	22.86[.900]			
DP -09 DPL-09	9	24.42[.961]	20.32[.800]			
DP -08 DPL-08	8	21.88[.861]	17.78[.700]			
DP -07 DPL-07	7	19.34[.761]	15.24[.600]			
DP -06 DPL-06	6	16.80[.661]	12.70[.500]			
DP -05 DPL-05	5	14.26[.561]	10.16[.400]			
DP -04 DPL-04	4	11.72[.461]	7.62[.300]			
DP -03 DPL-03	3	9.18[.361]	5.08[.200]			
DP -02 DPL-02	2	6.64[.261]	2.54[.100]			
PROD. NO.	NO. OF POS.	DIM. A	DIM. B			
SCHEMATIC(TYP.)						
, ,						
0,0,0,0,0,0,0,0,0,0,0,0,						
(2,3,4,5,6,7,8,9,10,12, POS AVAIL)						

Dimensions: Millimetres (Inches)

HOW TO ORDER Package Style: = Tube Soldering: V = Lead Free Solderable Seal: = Regular T = Top Tape Sealed ▲ On/Off Position ☐ = Push Down On U = Push Down Off < ▲ U Only For DP(L) > Color Of Cover ▲B = Blue ▲K = Black < ▲ Subject to our final confirmation> Number Of Positions: 02 = 2 Positions 03 = 3 Positions 04 = 4 Positions 05 = 5 Positions 08 = 8 Positions 09 = 9 Positions 10 = 10 Positions ☐ = Raised Actuator R = Recessed Actuator DA = Raised Actuator ☐ = Short Key L = Long Key DS = Slide Type Dip Switch DA = Right Angle Type Dip Switch DP = Piano Type Dip Switch





Soldering Process

Keep all switch contacts in their "OFF" position for all operations.

Wave Soldering : Recommended temperature at 500°F (260°C) max. 5 seconds for through hole type Hand Soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately max 5 seconds.

Make sure switch is in "OFF" position during soldering process, or it will decrease the operating force and meanwhile increase the contact resistance.

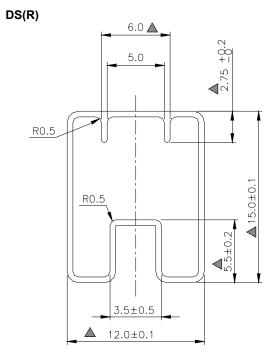
Do not wash the switch body except top tape sealed type, which suitable for spray cleaning method from top of the s/w

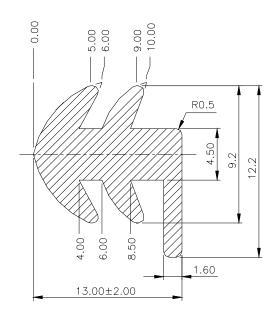
Packing

Part Number	Number Per Tube	Part Number	Number Per Tube
DS(R)-02	72	DS(R)-02-T	70
DS(R) -03	51	DS(R)-03-T	50
DS(R)-04	40	DS(R)-04-T	39
DS(R)-05	32	DS(R)-05-T	32
DS(R)-06	27	DS(R)-06-T	28
DS(R)-07	24	DS(R)-07-T	24
DS(R)-08	21	DS(R)-08-T	21
DS(R)-09	19	DS(R)-09-T	19
DS(R)-10	17	DS(R)-10-T	17
DS(R)-12	14	DS(R)-12-T	14
DP(L)-02	70	DP(L)-02/T	65
DP(L)-03	50	DP(L)-03-T	49
DP(L)-04	39	DP(L)-04-T	39
DP(L)-05	32	DP(L)-05-T	32
DP(L)-06	27	DP(L)-06-T	27
DP(L)-07	24	DP(L)-07-T	24
DP(L)-08	21	DP(L)-08-T	21
DP(L)-09	19	DP(L)-09-T	19
DP(L)-10	17	DP(L)-10-T	17
DP(L)-12	14	DP(L)-12-T	14
DA-02	73	DA-02-T	70
DA-03	52	DA-03-T	50
DA-04	40	DA-04-T	39
DA-05	33	DA-05-T	32
DA-06	28	DA-06-T	28
DA-07	24	DA-07-T	24
DA-08	21	DA-08-T	21
DA-09	19	DA-09-T	19
DA-10	17	DA-10-T	17
DA-12	14	DA-12-T	14

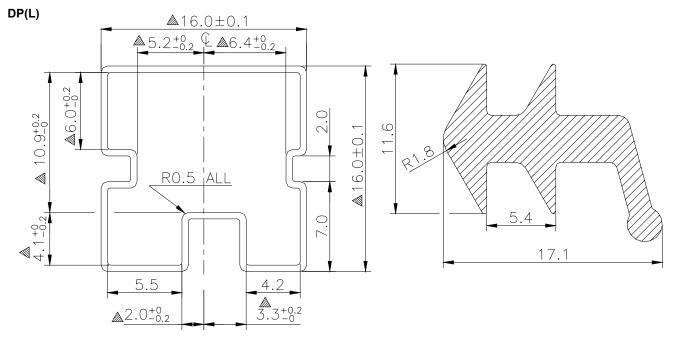








Dimensions: Millimetres

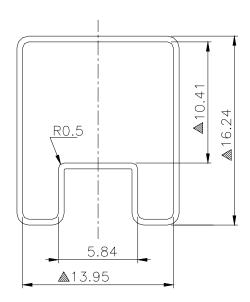


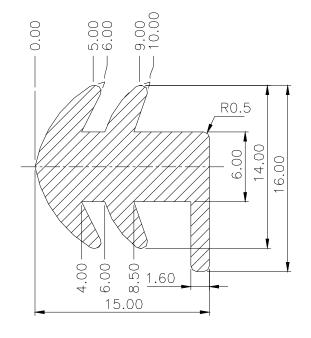
Dimensions: Millimetres





DA





Dimensions: Millimetres

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