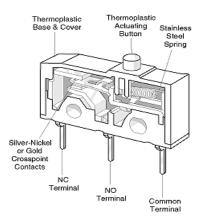
Subminiature Snap Action Switch

DB Series



Features

- Precision switch with high repeat accuracy
- Models available for operating temperatures up to 120°C
- Rated for currents up to 10A @ 250VAC
- Range of snap-on auxiliary actuators, two mounting positions



- Wide variety of terminal options available
- International approvals standard
- Mechanical life up to 15 x 10⁶
- **RoHS Compliant**

Switch Series	According t	o EN61058-1	According t	Mechanical Life		
	Nominal Load	Operation cycles	Nominal Load	Operation cycles		
DB1	6A, 250V~	10,000	5A 125/250 VAC	6,000	15 x 10 ⁶	
	0.1A 80 VDC	10,000	1A 48 VDC	15,000		
DB2	10(1.5)A, 250 V~	10,000	10.1A 125/250 VAC	6.000	10 x 10 ⁶	
	0.1A 80 VDC	10,000	1/4 HP 125 VAC	0,000		
DB3	0.1A 250 V~	50,000	0.1A 125/250 VAC	100.000	15 x 10 ⁶	
	0.1A 80 VDC	50,000	0.1A 123/230 VAC	100,000		
DB5*	1A 250 V~		1A 125/250 VAC	6000	15 x 10 ⁶	
		50,000	1A 48VDC	15,000		
DB6*	6A 250 VAC~	50,000	5A 125/250 VAC	6,000	15 x 10 ⁶	
DB7*	40/4 = \ 4		10.1A 125/250 VAC	6.000	10 x 10 ⁶	
DB1	10(1.5)A 250 V~	50,000	1/4 HP 125 VAC	0,000		

*Only 85°C Rated

Technical Specifications		Material Specifications			
Temperature Rating:	-40°C to 85°C or -40°C to 120°C	Base:	PET (UL 94 V-0)		
Temperature Rating.	-40 0 10 03 0 01 -40 0 10 120 0	Cover:	PBT (UL 94 V-0)		
Degree of Protection:	IP50	Actuator button:	PBT (UL 94 V-0) 120°C POM (UL 94 HB) 85°C		
Contact Gap	< 3mm (µ)	Contacts:	AuAgPt (Crosspoint), AgNi,		
Proof Tracking Index	PTI 175	Terminals:	CuZn (silver plated)		
UL File Number:	L File Number: E314201		Stainless steel or plastic		

Specifications subject to change





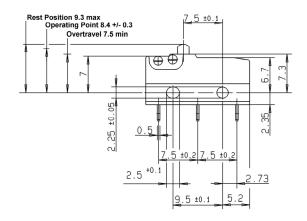


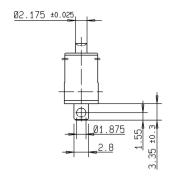


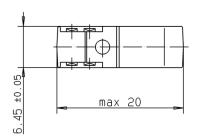
Subminiature Snap Action Switch

DB Series

Dimensions - millimeter





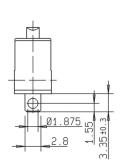


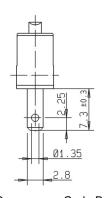
Commonly Stocked Distributor Items / Preferred Part Numbers

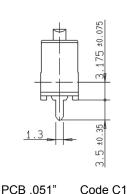
Item Number	EN Rating	UL Rating	Terminals	Maximum Operating Force (cN)	Maximum Pretravel inches (mm)	Operating Point inches (mm)	Minimum Overtravel inches (mm)	Max. Movement Differential inches (mm)	Actuation Length inches (mm)
			33111111111	\	aranto (mmy	.318 / .342	morroe (mmy	manus (mm)	The training
DB1CA1AA	6A 250VAC	5A 125/250 VAC	Short Solder	150	.039 (1.0)	(8.1 / 8.7)	.024 (0.6)	.004 (0.1)	100 1
					***	.416 / .426	2 1	* *	
DB1CA1LB	6A 250VAC	5A 125/250 VAC	Short Solder	60	.157 (4.0)	(10.57 / 10.83)	.079 (2.0)	.02 (0.5)	0.189 (4.8)
DB1CA1RB	6A 250VAC	5A 125/250 VAC	Short Solder	65	.157 (4.0)	.571 / .673 (14.5 / 17.1)	.079 (2.0)	.02 (0.5)	0.098 (2.5)
DRICATER	6A 250VAC	5A 123/290 VAC	Situit Suidei	65	.157 (4.0)	.318 / .342	.079 (2.0)	.02 (0.5)	0.086 (2.5)
DB1CB1AA	6A 250VAC	5A 125/250 VAC	2.8 x 0.5mm QC	150	.039 (1.0)	(8.1 / 8.7)	.024 (0.6)	.004 (0.1)	
					* *	.416 / .426		` '	
DB1CB1LB	6A 250VAC	5A 125/250 VAC	2.8 x 0.5mm QC	60	.157 (4.0)	(10.57 / 10.83)	.079 (2.0)	.02 (0.5)	0.189 (4.8)
			.110" x .020"			.579 / .697			
DB1CB1RC	6A 250VAC	5A 125/250 VAC	2.8 x 0.5mm QC	55	0.177 (4.5)	(14.7 / 18.1)	.079 (2.0)	.024 (0.6)	0.185 (4.7)
DB1CC1AA	6A 250VAC	5A 125/250 VAC	.051" x .020" 1.3 x 0.5mm PCB	150	.039 (1.0)	.318 / .342 (8.1 / 8.7)	.024 (0.6)	.004 (0.1)	
55.00.,00				.00	.500 (1.5)	.330 +/012	.021 (0.0)	.551 (5.1)	77.1
DB2CA1AA	10(1.5)A 250 VAC	10.1A 125/250 VAC 1/4HP 125VAC	Short Solder	250	.039 (1.0)	(8.4 +/- 0.3)	.024 (0.6)	.004 (0.1)	
DB2CA1LB	10(1.5)A 250 VAC	10.1A 125/250 VAC 1/4HP 125VAC	Short Solder	100	.178 (4.5)	.358 / .484 9.1 / 12.3	.059 (1.5)	.028 (0.7)	0.189 (4.8)
5525,1125		1011/1120/200 1110 11111 1201110	Cital Collabi		5 (1 5)	.567 / .710	.000 (1.0)	.020 (0.7)	0.100 (4.0)
DB2CA1RC	10(1.5)A 250 VAC	10.1A 125/250 VAC 1/4HP 125VAC	Short Solder	95	0.197 (5.0)	14.4 / 18.0	.059 (1.5)	.039 (1.0)	0.185 (4.7)
	10(1.5)A 250 VAC		.110" x .020"			.318 / .342	New York Contribution	120 20 100 100 100 100 100 100 100 100 1	
DB2CB1AA	10(1.0)/1200 0/10	10.1A 125/250 VAC 1/4HP 125VAC	2.8 x 0.5mm QC	250	.039 (1.0)	(8.1 / 8.7)	.024 (0.6)	.004 (0.1)	
DB2CB1RC	10(1.5)A 250 VAC	10.1A 125/250 VAC 1/4HP 125VAC	.110" x .020" 2.8 x 0.5mm QC	95	0.197 (5.0)	.567 / .710 14.4 / 18.0	.059 (1.5)	.039 (1.0)	0.185 (4.7)
DDZODINO	1	10:17(120/200 0/10 1/4/11 1200/10	.051" x .020"	- 55	0.107 (0.0)	.318 / .342	.000 (1.0)	.000 (1.0)	0.100 (4.7)
DB2CC1AA	10(1.5)A 250 VAC	10.1A 125/250 VAC 1/4HP 125VAC	1.3 x 0.5mm PCB	250	.039 (1.0)	(8.1 / 8.7)	.024 (0.6)	.004 (0.1)	
University and a second			and 1000 mg 2000	S Louisiano	Frankrichtenburg Wege	.330 +/012	***************************************	Auditorial professional from commit	
DB3CA1AA	0.1A 250VAC	0.1A 125/250 VAC	Short Solder	150	.039 (1.0)	(8.4 +/- 0.3)	.024 (0.6)	.004 (0.1)	
DB3CA1LB	0.1A 250VAC	0.1A 125/250 VAC	Short Solder	60	.157 (4.0)	.416 / .426 (10.57 / 10.83)	.079 (2.0)	.02 (0.5)	0.189 (4.8)
B BOOM TEB	0.17 (200 (7) 0	0.00,120,200,010	.110" x .020"	- 55	.107 (4.0)	.318 / .342	.576 (2.6)	.02 (0.0)	0.100 (1.0)
DB3CB1AA	0.1A 250VAC	0.1A 125/250 VAC	2.8 x 0.5mm QC	150	.039 (1.0)	(8.1 / 8.7)	.024 (0.6)	.004 (0.1)	
Napora contra en estados estados en	4481927112.443733.004900044***	NASSE STEEL WASHINGTON OF THE DEPOY OF THE STEEL	.110" x .020"	1		.416 / .426	Hall account for the control of the	elitrocensor ones	WESTERNAM SOME
DB3CB1LB	0.1A 250VAC	0.1A 125/250 VAC	2.8 x 0.5mm QC	60	.157 (4.0)	(10.57 / 10.83)	.079 (2.0)	.02 (0.5)	0.189 (4.8)
DB3CC1AA	0.1A 250VAC	0.1A 125/250 VAC	.051" x .020" 1.3 x 0.5mm PCB	150	.039 (1.0)	.318 / .342 (8.1 / 8.7)	.024 (0.6)	.004 (0.1)	200

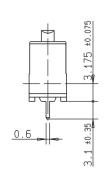
^{**} Additional part numbers available. Contact factory for minimums and availability

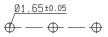
Terminal Options



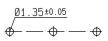




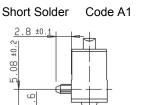


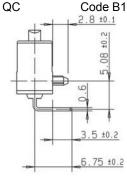


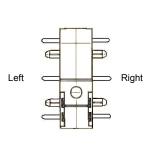
Hole pattern for .051" pcb

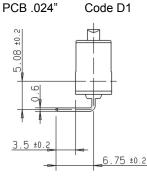


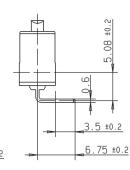
Hole pattern for .024" pcb









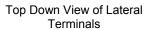


Left side pcb with location pins Code D3

<u>Ø1.35</u>±0.05

3.5 ±0.2





Left side pcb terminals

Code D5

Right side pcb terminals Code D4

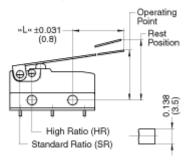
Hole pattern for pcb terminals with location pins

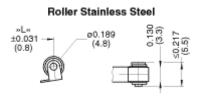
6.75 ±0.2

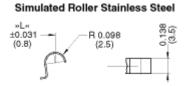
Hole pattern for pcb terminals without location pins

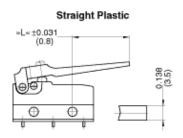
Auxiliary Actuators

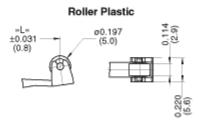
Straight Stainless Steel

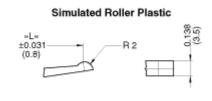












Ordering Information

	E F G	Contact Configuration			
	E F G +1200	SPST NO SPST NC SPDT C Operating Temperature			
	F G +1200	SPST NC SPDT C Operating Temperature			
	G +1200	SPDT C Operating Temperature			
	+1200	C Operating Temperature			
	50%000000				
	Α	ISDST NO			
		SPST NO SPST NC			
	В				
	С	SPDT			
EN 61058 R	ating	UL1054 Rating			
6A 250VAC	, 0.1A 80VDC	5A 125/250VAC, 1A 48VDC			
10(1.5)A 25	0VAC, 0.1A 80VDC	10.1A 125/250VAC, 1/4HP 125VA			
0.1A 250VA	C, 0.1A 80VDC	0.1A 125/250VAC			
1A 250VAC	8	1A 125/250VAC, 1A 48VDC			
6A 250VAC	8	5A 125/250VAC			
10(1.5)A 25	0VAC	10.1A 125/250VAC, 1/4HP 125VAC			
5 1 5 1	A 250VAC 0(1.5)A 25 .1A 250VA A 250VAC A 250VAC 0(1.5)A 25				

Code	Terminal Type
A1	Short Solder
B1	0.110 x 0.20 (2.8 x 0.5) QC Straight
C1	0.051 x 0.020 (1.3 x 0.5) PCB Straight
D1	0.024 x 0.020 (0.6 x 0.5) PCB Straight
D2	0.024 x 0.020 (0.6 x 0.5) PCB RH Side with location pins
D3	0.024 x 0.020 (0.6 x 0.5) PCB LH Side with location pins
D4	0.024 x 0.020 (0.6 x 0.5) PCB RH Side
D5	0.024 x 0.020 (0.6 x 0.5) PCB LH Side

AA I	
Code	Actuator Type
AA	Spherical Head button
LB	Short straight lever SR 0.189 (4.8)
RB	Short roller lever SR 0.098 (2.5)
RC	Roller lever SR 0.185 (4.7)

^{*} For additional actuator options contact factory

Auxilliary Actuator Options

Actuator			Actuator	Actuation	Actuator			Actuator	Actuation
Code	Shape	Material	Part Number	Length (mm)	Code	Shape	Material	Part Number	Length (mm)
LB / -MB	Straight	Stainless	06141232	4.8 / 7.0	-RB/-TB	Roller	Stainless	07140260	2.5 /4.7
LC / -MC	Straight	Stainless	06141233	7.0 / 9.4	-RC/-TC	Roller	Stainless	07140261	4.7 / 7.1
-LD / MD	Straight	Stainless	06141234	42 / 43.5	-RD/-TD	Roller	Stainless	07140262	39.7 / 41.2
-SB / -UB	Simulated Roller	Stainless	06141237	2.5 / 4.7	-WB/GB	Straight	Plastic	06141247	7.0 / 9.4
-SC / -UC	Simulated Roller	Stainless	06141238	4.7 / 7.1	-WC/-GC	Straight	Plastic	06141253	14.0 / 16.2
-SD / -UD	Simulated Roller	Stainless	06141239	39.7 / 41.2	-ZB / -QB	Roller	Plastic	07140299	5.2 / 7.3
					-VB / -HB	Simulated Roller	Plastic	06141249	5.6 / 7.9

Contact

Call, fax or visit our Website for more information.

ZF Electronics Corporation 11200 88th Avenue Pleasant Prairie, WI 53158

Phone: 262.942.6500 Web: www.cherrycorp.com Email: cep_sales@zf.com Fax: 262.942.6566 The manufacturer accepts no liability for errors or non-availability, and reserves the right to change specifications without prior notice.

Technical data relates to product specifications only. Features may differ from those described. Only drawings combined with product specifications shall be deemed binding.

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Last Updated: 06/01/11



^{**} Do not use plastic levers with 120C rated switches