

# SUBMINIATURE DB Series

## Features

- High-precision switch with high repeat accuracy
- Models available for operating temperatures up to 120°C
- Rated for currents up to 10 amp at 250VAC
- Range of auxiliary actuators available (can also be retrofitted); two mounting positions
- Variety of contact materials available to suit your application
- Mechanical life: up to  $15 \times 10^6$  operations
- Wide variety of terminal types available
- Numerous approvals



## Electrical Ratings

Switch Series	EN61058 Rating	UL1054 Rating	Electrical Life at Rated Load	
			According to EN (Min. Operations)	According to UL (Min. Operations)
DB1	6A, 250V~	5A, 125/250VAC	10,000	6,000
DB2	10(1.5)A, 250V~	10.1A, 125/250VAC; 1/4HP, 125VAC	10,000	6,000
DB3	0.1A, 250V~	0.1A, 125/250VAC	50,000	6,000
DB5*	1A, 250V~	1A, 125/250VAC	50,000	6,000
DB6*	6A, 250V~	5A, 125/250VAC	50,000	6,000
DB7*	10(1.5A), 400V~	10.1A, 125/250VAC; 1/4HP, 125VAC	50,000	6,000

\*85°C

## Specifications

### Electrical

Temperature Rating:	-40°C to +85°C / +120°C
Flammability Rating:	UL94V-O (PBT, PET) UL94HB (POM)

### Materials

Base:	PET
Cover:	PBT
Actuator:	PBT, POM
Auxiliary Actuator:	Stainless Steel or Plastic
Terminals:	Silver-Plated Copper-Zinc
Contacts:	Silver Alloy Gold Crosspoint

PBT = Polybutyleneterephthalate • PET = Polyethyleneterephthalate • POM = Polyacetal



### Dimensions inches (mm)



### Terminal Options inches (mm)



### Auxiliary Actuator inches (mm)



### Contact Ratings at Direct Voltage

Switching Voltage	Switched Current Resistive Load		Inductive Load L/R=3ms	
	DB1	DB2	DB1	DB2
12V	6A	10A	6A	10A
24V	3A	5A	2A	4A
60V	1A	1A	0.5A	0.5A
110V	0.5A	0.5A	0.2A	0.2A
220V	0.25A	0.25A	0.1A	0.1A

## Actuator Specifications — Standard Ratio

Actuator Code	Switch Type	Maximum Operating Force (gms.)	Maximum Pre-Travel inches (mm)	Operating Point inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Max. Rest Position inches (mm)	Actuation Length inches (mm)	
AA		DB5	70	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.004 (0.10)	0.366 (9.3)	—
		DB1/3	150	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.004 (0.10)	0.366 (9.3)	—
		DB6	150	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.006 (0.15)	0.366 (9.3)	—
		DB2	250	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.004 (0.10)	0.366 (9.3)	—
		DB7	280	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.006 (0.15)	0.366 (9.3)	—
BA		DB5	70	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.004 (0.10)	0.366 (9.3)	—
		DB1/3	150	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.004 (0.10)	0.366 (9.3)	—
		DB6	250	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.006 (0.15)	0.366 (9.3)	—
		DB2	250	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.004 (0.10)	0.366 (9.3)	—
		DB7	280	0.039 (1.0)	0.331±0.012 (8.4±0.3)	0.024 (0.6)	0.006 (0.15)	0.366 (9.3)	—
<i>Auxiliary actuator, rear-mounted (RM)</i>									
LB		DB5	30	0.157 (4.0)	0.421±0.051 (10.7±1.3)	0.079 (2.0)	0.020 (0.5)	0.551 (14.0)	0.189 (4.8)
		DB1/3	60	0.157 (4.0)	0.421±0.051 (10.7±1.3)	0.079 (2.0)	0.020 (0.5)	0.551 (14.0)	0.189 (4.8)
		DB6	60	0.157 (4.0)	0.421±0.051 (10.7±1.3)	0.079 (2.0)	0.030 (0.75)	0.551 (14.0)	0.189 (4.8)
		DB2	100	0.177 (4.5)	0.421±0.063 (10.7±1.6)	0.059 (1.5)	0.028 (0.70)	0.551 (14.0)	0.189 (4.8)
		DB7	115	0.177 (4.5)	0.421±0.063 (10.7±1.6)	0.059 (1.5)	0.030 (0.75)	0.551 (14.0)	0.189 (4.8)
LC		DB5	25	0.177 (4.5)	0.437±0.059 (11.1±1.5)	0.079 (2.0)	0.024 (0.6)	0.591 (15.0)	0.276 (7.0)
		DB1/3	50	0.177 (4.5)	0.437±0.059 (11.1±1.5)	0.079 (2.0)	0.024 (0.6)	0.591 (15.0)	0.276 (7.0)
		DB6	50	0.177 (4.5)	0.437±0.059 (11.1±1.5)	0.079 (2.0)	0.047 (1.2)	0.591 (15.0)	0.276 (7.0)
		DB2	85	0.197 (5.0)	0.437±0.071 (11.1±1.8)	0.059 (1.5)	0.039 (1.0)	0.591 (15.0)	0.276 (7.0)
		DB7	100	0.197 (5.0)	0.437±0.071 (11.1±1.8)	0.059 (1.5)	0.047 (1.2)	0.591 (15.0)	0.276 (7.0)
LD		DB5	9	0.591 (15.0)	0.512±0.138 (13.0±3.5)	0.157 (4.0)	0.177 (4.5)	1.063 (27.0)	1.654 (42.0)
		DB1/3	18	0.591 (15.0)	0.512±0.138 (13.0±3.5)	0.157 (4.0)	0.177 (4.5)	1.063 (27.0)	1.654 (42.0)
		DB6	18	0.591 (15.0)	0.512±0.138 (13.0±3.5)	0.157 (4.0)	0.268 (6.8)	1.063 (27.0)	1.654 (42.0)
		DB2/7	—	—	—	—	—	—	on request
SB		DB5	30	0.157 (4.0)	0.630±0.051 (16.0±1.3)	0.079 (2.0)	0.020 (0.5)	0.748 (19.0)	0.098 (2.5)
		DB1/3	65	0.157 (4.0)	0.630±0.051 (16.0±1.3)	0.079 (2.0)	0.020 (0.5)	0.748 (19.0)	0.098 (2.5)
		DB6	65	0.157 (4.0)	0.630±0.051 (16.0±1.3)	0.079 (2.0)	0.043 (1.1)	0.748 (19.0)	0.098 (2.5)
		DB2	110	0.177 (4.5)	0.630±0.063 (16.0±1.6)	0.059 (1.5)	0.028 (0.7)	0.748 (19.0)	0.098 (2.5)
		DB7	125	0.177 (4.5)	0.630±0.063 (16.0±1.6)	0.059 (1.5)	0.043 (1.1)	0.748 (19.0)	0.098 (2.5)
SC		DB5	25	0.177 (4.5)	0.646±0.059 (16.4±1.5)	0.079 (2.0)	0.024 (0.6)	0.787 (20.0)	0.185 (4.7)
		DB1/3	55	0.177 (4.5)	0.646±0.059 (16.4±1.5)	0.079 (2.0)	0.024 (0.6)	0.787 (20.0)	0.185 (4.7)
		DB6	55	0.177 (4.5)	0.646±0.059 (16.4±1.5)	0.079 (2.0)	0.047 (1.2)	0.787 (20.0)	0.185 (4.7)
		DB2	95	0.197 (5.0)	0.646±0.071 (16.4±1.8)	0.059 (1.5)	0.039 (1.0)	0.787 (20.0)	0.185 (4.7)
		DB7	110	0.197 (5.0)	0.646±0.071 (16.4±1.8)	0.059 (1.5)	0.047 (1.2)	0.787 (20.0)	0.185 (4.7)
SD		DB5	9	0.591 (15.0)	0.720±0.138 (18.3±3.5)	0.157 (4.0)	0.177 (4.5)	1.260 (32.0)	1.563 (39.7)
		DB1/3	20	0.591 (15.0)	0.720±0.138 (18.3±3.5)	0.157 (4.0)	0.177 (4.5)	1.260 (32.0)	1.563 (39.7)
		DB6	20	0.591 (15.0)	0.720±0.138 (18.3±3.5)	0.157 (4.0)	0.268 (6.8)	1.260 (32.0)	1.563 (39.7)
		DB2/7	—	—	—	—	—	—	on request
RB		DB5	30	0.157 (4.0)	0.622±0.051 (15.8±1.3)	0.079 (2.0)	0.020 (0.5)	0.748 (19.0)	0.098 (2.5)
		DB1/3	65	0.157 (4.0)	0.622±0.051 (15.8±1.3)	0.079 (2.0)	0.020 (0.5)	0.748 (19.0)	0.098 (2.5)
		DB6	65	0.157 (4.0)	0.622±0.051 (15.8±1.3)	0.079 (2.0)	0.030 (0.75)	0.748 (19.0)	0.098 (2.5)
		DB2	110	0.177 (4.5)	0.622±0.063 (15.8±1.6)	0.059 (1.5)	0.028 (0.7)	0.748 (19.0)	0.098 (2.5)
		DB7	125	0.177 (4.5)	0.622±0.063 (15.8±1.6)	0.059 (1.5)	0.030 (0.75)	0.748 (19.0)	0.098 (2.5)
RC		DB5	25	0.177 (4.5)	0.638±0.059 (16.2±1.5)	0.079 (2.0)	0.024 (0.6)	0.787 (20.0)	0.185 (4.7)
		DB1/3	55	0.177 (4.5)	0.638±0.059 (16.2±1.5)	0.079 (2.0)	0.024 (0.6)	0.787 (20.0)	0.185 (4.7)
		DB6	55	0.177 (4.5)	0.638±0.059 (16.2±1.5)	0.079 (2.0)	0.047 (1.2)	0.787 (20.0)	0.185 (4.7)
		DB2	95	0.197 (5.0)	0.638±0.071 (16.2±1.8)	0.059 (1.5)	0.039 (1.0)	0.787 (20.0)	0.185 (4.7)
		DB7	110	0.197 (5.0)	0.638±0.071 (16.2±1.8)	0.059 (1.5)	0.047 (1.2)	0.787 (20.0)	0.185 (4.7)
RD		DB5	9	0.591 (15.0)	0.713±0.138 (18.1±3.5)	0.157 (4.0)	0.177 (4.5)	1.260 (32.0)	1.563 (39.7)
		DB1/3	20	0.591 (15.0)	0.713±0.138 (18.1±3.5)	0.157 (4.0)	0.177 (4.5)	1.260 (32.0)	1.563 (39.7)
		DB6	20	0.591 (15.0)	0.713±0.138 (18.1±3.5)	0.157 (4.0)	0.268 (6.8)	1.260 (32.0)	1.563 (39.7)
		DB2/7	—	—	—	—	—	—	on request
WB*		DB5	24	0.177 (4.5)	0.437±0.059 (11.1±1.5)	0.079 (2.0)	0.024 (0.6)	0.591 (15.0)	0.276 (7.0)
		DB1/3	50	0.177 (4.5)	0.437±0.059 (11.1±1.5)	0.079 (2.0)	0.024 (0.6)	0.591 (15.0)	0.276 (7.0)
		DB6	50	0.177 (4.5)	0.437±0.059 (11.1±1.5)	0.079 (2.0)	0.035 (0.9)	0.591 (15.0)	0.276 (7.0)
		DB2	85	0.177 (4.5)	0.437±0.059 (11.1±1.5)	0.079 (2.0)	0.024 (0.6)	0.591 (15.0)	0.276 (7.0)
		DB7	100	0.177 (4.5)	0.437±0.059 (11.1±1.5)	0.079 (2.0)	0.035 (0.9)	0.591 (15.0)	0.276 (7.0)
WC*		DB5	18	0.236 (6.0)	0.480±0.071 (12.2±1.8)	0.118 (3.0)	0.031 (0.8)	0.669 (17.0)	0.551 (14.0)
		DB1/3	38	0.236 (6.0)	0.480±0.071 (12.2±1.8)	0.118 (3.0)	0.031 (0.8)	0.669 (17.0)	0.551 (14.0)
		DB6	38	0.236 (6.0)	0.480±0.071 (12.2±1.8)	0.118 (3.0)	0.047 (1.2)	0.669 (17.0)	0.551 (14.0)
		DB2	63	0.236 (6.0)	0.480±0.071 (12.2±1.8)	0.118 (3.0)	0.031 (0.8)	0.669 (17.0)	0.551 (14.0)
		DB7	75	0.236 (6.0)	0.480±0.071 (12.2±1.8)	0.118 (3.0)	0.047 (1.2)	0.669 (17.0)	0.551 (14.0)
VB*		DB5	25	0.177 (4.5)	0.469±0.055 (11.9±1.4)	0.079 (2.0)	0.024 (0.6)	0.591 (15.0)	0.220 (5.6)
		DB1/3	55	0.177 (4.5)	0.469±0.055 (11.9±1.4)	0.079 (2.0)	0.024 (0.6)	0.591 (15.0)	0.220 (5.6)
		DB6	55	0.177 (4.5)	0.469±0.055 (11.9±1.4)	0.079 (2.0)	0.035 (0.9)	0.591 (15.0)	0.220 (5.6)
		DB2	90	0.177 (4.5)	0.469±0.055 (11.9±1.4)	0.079 (2.0)	0.024 (0.6)	0.591 (15.0)	0.220 (5.6)
		DB7	105	0.177 (4.5)	0.469±0.055 (11.9±1.4)	0.079 (2.0)	0.035 (0.9)	0.591 (15.0)	0.220 (5.6)
ZB*		DB5	25	0.177 (4.5)	0.630±0.055 (16.0±1.4)	0.059 (1.5)	0.024 (0.6)	0.748 (19.0)	0.205 (5.2)
		DB1/3	55	0.177 (4.5)	0.630±0.055 (16.0±1.4)	0.059 (1.5)	0.024 (0.6)	0.748 (19.0)	0.205 (5.2)
		DB6	55	0.177 (4.5)	0.630±0.055 (16.0±1.4)	0.059 (1.5)	0.035 (0.9)	0.748 (19.0)	0.205 (5.2)
		DB2	90	0.177 (4.5)	0.630±0.055 (16.0±1.4)	0.059 (1.5)	0.024 (0.6)	0.748 (19.0)	0.205 (5.2)
		DB7	105	0.177 (4.5)	0.630±0.055 (16.0±1.4)	0.059 (1.5)	0.035 (0.9)	0.748 (19.0)	0.205 (5.2)

\*For 85°C only

## Actuator Specifications — High Ratio

Actuator Code	Switch Type	Maximum Operating Force (gms.)	Maximum Pre-Travel inches (mm)	Operating Point inches (mm)	Minimum Over-Travel inches (mm)	Max. Movement Differential inches (mm)	Max. Rest Position inches (mm)	Actuation Length inches (mm)
<i>Auxiliary actuator, front-mounted (FM)</i>								
 MB	DB5	12	0.354 (9.0)	0.472±0.098 (12.0±2.5)	0.138 (3.5)	0.047 (1.2)	0.709 (18.0)	0.276 (7.0)
	DB1/3	25	0.354 (9.0)	0.472±0.098 (12.0±2.5)	0.138 (3.5)	0.047 (1.2)	0.709 (18.0)	0.276 (7.0)
	DB6	25	0.354 (9.0)	0.472±0.098 (12.0±2.5)	0.138 (3.5)	0.071 (1.8)	0.709 (18.0)	0.276 (7.0)
	DB2	40	0.354 (9.0)	0.472±0.118 (12.0±3.0)	0.138 (3.5)	0.059 (1.5)	0.709 (18.0)	0.276 (7.0)
	DB7	45	0.354 (9.0)	0.472±0.118 (12.0±3.0)	0.138 (3.5)	0.071 (1.8)	0.709 (18.0)	0.276 (7.0)
 MC	DB5	10	0.394 (10.0)	0.492±0.118 (12.5±3.0)	0.157 (4.0)	0.055 (1.4)	0.787 (20.0)	0.370 (9.4)
	DB1/3	22	0.394 (10.0)	0.492±0.118 (12.5±3.0)	0.157 (4.0)	0.055 (1.4)	0.787 (20.0)	0.370 (9.4)
	DB6	22	0.394 (10.0)	0.492±0.118 (12.5±3.0)	0.157 (4.0)	0.083 (2.1)	0.787 (20.0)	0.370 (9.4)
	DB2	35	0.394 (10.0)	0.492±0.138 (12.5±3.5)	0.157 (4.0)	0.071 (1.8)	0.787 (20.0)	0.370 (9.4)
	DB7	40	0.394 (10.0)	0.492±0.138 (12.5±3.5)	0.157 (4.0)	0.083 (2.1)	0.787 (20.0)	0.370 (9.4)
 MD	DB5	4	1.063 (27.0)	0.709±0.315 (18.0±8.0)	0.394 (10.0)	0.236 (6.0)	1.575 (40.0)	1.713 (43.5)
	DB1/3	9	1.063 (27.0)	0.709±0.315 (18.0±8.0)	0.394 (10.0)	0.236 (6.0)	1.575 (40.0)	1.713 (43.5)
	DB6	9	1.063 (27.0)	0.709±0.315 (18.0±8.0)	0.394 (10.0)	0.354 (9.0)	1.575 (40.0)	1.713 (43.5)
	DB2/7	—	—	—	—	—	—	<i>on request</i>
 UB	DB5	14	0.354 (9.0)	0.677±0.098 (17.2±2.5)	0.138 (3.5)	0.047 (1.2)	0.866 (22.0)	0.185 (4.7)
	DB1/3	30	0.354 (9.0)	0.677±0.098 (17.2±2.5)	0.138 (3.5)	0.047 (1.2)	0.866 (22.0)	0.185 (4.7)
	DB6	30	0.354 (9.0)	0.677±0.098 (17.2±2.5)	0.138 (3.5)	0.071 (1.8)	0.866 (22.0)	0.185 (4.7)
	DB2	50	0.354 (9.0)	0.677±0.118 (17.2±3.0)	0.138 (3.5)	0.059 (1.5)	0.866 (22.0)	0.185 (4.7)
	DB7	56	0.354 (9.0)	0.677±0.118 (17.2±3.0)	0.138 (3.5)	0.071 (1.8)	0.866 (22.0)	0.185 (4.7)
 UC	DB5	12	0.394 (10.0)	0.697±0.118 (17.7±3.0)	0.157 (4.0)	0.055 (1.4)	0.945 (24.0)	0.280 (7.1)
	DB1/3	25	0.394 (10.0)	0.697±0.118 (17.7±3.0)	0.157 (4.0)	0.055 (1.4)	0.945 (24.0)	0.280 (7.1)
	DB6	25	0.394 (10.0)	0.697±0.118 (17.7±3.0)	0.157 (4.0)	0.083 (2.1)	0.945 (24.0)	0.280 (7.1)
	DB2	40	0.394 (10.0)	0.697±0.138 (17.7±3.5)	0.157 (4.0)	0.071 (1.8)	0.945 (24.0)	0.280 (7.1)
	DB7	45	0.394 (10.0)	0.697±0.138 (17.7±3.5)	0.157 (4.0)	0.083 (2.1)	0.945 (24.0)	0.280 (7.1)
 UD	DB5	4	1.063 (27.0)	0.913±0.315 (23.2±8.0)	0.394 (10.0)	0.236 (6.0)	1.732 (44.0)	1.622 (41.2)
	DB1/3	9	1.063 (27.0)	0.913±0.315 (23.2±8.0)	0.394 (10.0)	0.236 (6.0)	1.732 (44.0)	1.622 (41.2)
	DB6	9	1.063 (27.0)	0.913±0.315 (23.2±8.0)	0.394 (10.0)	0.354 (9.0)	1.732 (44.0)	1.622 (41.2)
	DB2/7	—	—	—	—	—	—	<i>on request</i>
 TB	DB5	14	0.354 (9.0)	0.669±0.098 (17.0±2.5)	0.138 (3.5)	0.047 (1.2)	0.866 (22.0)	0.185 (4.7)
	DB1/3	30	0.354 (9.0)	0.669±0.098 (17.0±2.5)	0.138 (3.5)	0.047 (1.2)	0.866 (22.0)	0.185 (4.7)
	DB6	30	0.354 (9.0)	0.669±0.098 (17.0±2.5)	0.138 (3.5)	0.071 (1.8)	0.866 (22.0)	0.185 (4.7)
	DB2	50	0.354 (9.0)	0.669±0.118 (17.0±3.0)	0.138 (3.5)	0.059 (1.5)	0.866 (22.0)	0.185 (4.7)
	DB7	56	0.354 (9.0)	0.669±0.118 (17.0±3.0)	0.138 (3.5)	0.071 (1.8)	0.866 (22.0)	0.185 (4.7)
 TC	DB5	12	0.394 (10.0)	0.689±0.118 (17.5±3.0)	0.157 (4.0)	0.055 (1.4)	0.945 (24.0)	0.280 (7.1)
	DB1/3	25	0.394 (10.0)	0.689±0.118 (17.5±3.0)	0.157 (4.0)	0.055 (1.4)	0.945 (24.0)	0.280 (7.1)
	DB6	25	0.394 (10.0)	0.689±0.118 (17.5±3.0)	0.157 (4.0)	0.083 (2.1)	0.945 (24.0)	0.280 (7.1)
	DB2	40	0.394 (10.0)	0.689±0.138 (17.5±3.5)	0.157 (4.0)	0.071 (1.8)	0.945 (24.0)	0.280 (7.1)
	DB7	45	0.394 (10.0)	0.689±0.138 (17.5±3.5)	0.157 (4.0)	0.083 (2.1)	0.945 (24.0)	0.280 (7.1)
 TD	DB5	4	1.063 (27.0)	0.906±0.315 (23.0±8.0)	0.394 (10.0)	0.236 (6.0)	1.732 (44.0)	1.622 (41.2)
	DB1/3	9	1.063 (27.0)	0.906±0.315 (23.0±8.0)	0.394 (10.0)	0.236 (6.0)	1.732 (44.0)	1.622 (41.2)
	DB6	9	1.063 (27.0)	0.906±0.315 (23.0±8.0)	0.394 (10.0)	0.354 (9.0)	1.732 (44.0)	1.622 (41.2)
	DB2/7	—	—	—	—	—	—	<i>on request</i>
 GB*	DB5	10	0.394 (10.0)	0.508±0.102 (12.9±2.6)	0.118 (3.0)	0.055 (1.4)	0.787 (20.0)	0.370 (9.4)
	DB1/3	21	0.394 (10.0)	0.508±0.102 (12.9±2.6)	0.118 (3.0)	0.055 (1.4)	0.787 (20.0)	0.370 (9.4)
	DB6	21	0.394 (10.0)	0.508±0.102 (12.9±2.6)	0.118 (3.0)	0.083 (2.1)	0.787 (20.0)	0.370 (9.4)
	DB2	36	0.394 (10.0)	0.508±0.102 (12.9±2.6)	0.118 (3.0)	0.055 (1.4)	0.787 (20.0)	0.370 (9.4)
	DB7	42	0.394 (10.0)	0.508±0.102 (12.9±2.6)	0.118 (3.0)	0.083 (2.1)	0.787 (20.0)	0.370 (9.4)
 GC*	DB5	7	0.512 (13.0)	0.571±0.142 (14.5±3.6)	0.157 (4.0)	0.071 (1.8)	0.945 (24.0)	0.638 (16.2)
	DB1/3	16	0.512 (13.0)	0.571±0.142 (14.5±3.6)	0.157 (4.0)	0.071 (1.8)	0.945 (24.0)	0.638 (16.2)
	DB6	16	0.512 (13.0)	0.571±0.142 (14.5±3.6)	0.157 (4.0)	0.083 (2.4)	0.945 (24.0)	0.638 (16.2)
	DB2	26	0.512 (13.0)	0.571±0.142 (14.5±3.6)	0.157 (4.0)	0.071 (1.8)	0.945 (24.0)	0.638 (16.2)
	DB7	30	0.512 (13.0)	0.571±0.142 (14.5±3.6)	0.157 (4.0)	0.094 (2.4)	0.945 (24.0)	0.638 (16.2)
 HB*	DB5	11	0.354 (9.0)	0.531±0.098 (13.5±2.5)	0.098 (2.5)	0.055 (1.4)	0.787 (20.0)	0.311 (7.9)
	DB1/3	23	0.354 (9.0)	0.531±0.098 (13.5±2.5)	0.098 (2.5)	0.055 (1.4)	0.787 (20.0)	0.311 (7.9)
	DB6	23	0.354 (9.0)	0.531±0.098 (13.5±2.5)	0.098 (2.5)	0.083 (2.1)	0.787 (20.0)	0.311 (7.9)
	DB2	29	0.354 (9.0)	0.531±0.098 (13.5±2.5)	0.098 (2.5)	0.055 (1.4)	0.787 (20.0)	0.311 (7.9)
	DB7	45	0.354 (9.0)	0.531±0.098 (13.5±2.5)	0.098 (2.5)	0.083 (2.1)	0.787 (20.0)	0.311 (7.9)
 OB*	DB5	11	0.354 (9.0)	0.693±0.098 (17.6±2.5)	0.079 (2.0)	0.055 (1.4)	0.906 (23.0)	0.287 (7.3)
	DB1/3	23	0.354 (9.0)	0.693±0.098 (17.6±2.5)	0.079 (2.0)	0.055 (1.4)	0.906 (23.0)	0.287 (7.3)
	DB6	23	0.354 (9.0)	0.693±0.098 (17.6±2.5)	0.079 (2.0)	0.083 (2.1)	0.906 (23.0)	0.287 (7.3)
	DB2	39	0.354 (9.0)	0.693±0.098 (17.6±2.5)	0.079 (2.0)	0.055 (1.4)	0.906 (23.0)	0.287 (7.3)
	DB7	45	0.354 (9.0)	0.693±0.098 (17.6±2.5)	0.079 (2.0)	0.083 (2.1)	0.906 (23.0)	0.287 (7.3)

\*For 85°C only

## Ordering Information

DB 1		
Series/Prefix		
Code	UL Rating 1054	EN 61058 Rating
1	5A, 125/250VAC	6A, 250V~
2	10.1A, 125/250VAC 1/4HP, 125VAC	10(1.5)A, 250V~
3	0.1A, 125/250VAC	0.1A, 250V
5*	1A, 125/250VAC	1A, 250V
6*	5A, 125/250VAC	6A, 250V
7*	10.1A, 125/250VAC 1/4 HP, 125VAC	10 (1.5)A, 250V~

\*85°C only

Specifications subject to change without notice.

B —	
Code	Contact Configuration
<b>+120°C Operating Temp</b>	
A	SPST NO
B	SPST NC
C	SPDT
<b>+85°C Operating Temp*</b>	
E	SPST NO
F	SPST NC
G	SPDT

\*85°C versions use plastic levers

B1	
Code	Terminal Type inches (mm)
B1	0.110 x 0.020 (2.8 x 0.5) QC, Straight
A1	Solder, Short
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	
Code	Actuator Type*
AA	Spherical-head w/o Auxiliary Actuator
BA	Radius w/o Auxiliary Actuator

\*For further actuators see Actuation Specifications table.