

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 x 10⁶ 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(1.5)A, 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

Mouser Electronics

Authorized Distributor

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CHERRY:

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Cherry Electrical:

[DB2C-A1LB](#) [DB3C-D3LC](#) [DB1C-D4AA](#) [DB2C-A1RC](#) [DB1C-A1LB](#) [DB2C-A1AA](#) [DB1C-A1AA](#) [DB3C-A1AA](#) [DB3G-D2LC](#) [DB1C-B1AA](#) [DB3C-B1AA](#) [DB1C-B1LB](#) [DB3C-B1LB](#) [DB3C-B1LD](#) [DB2C-B1AA](#) [DB1C-D5AA](#) [DB1C-D5RC](#) [DB3C-B1SC](#) [DB1A-B1MC](#) [DB2A-B1AA](#) [DB2B-C1AA](#)