

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 15×10^6 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

