

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(1.5A), 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

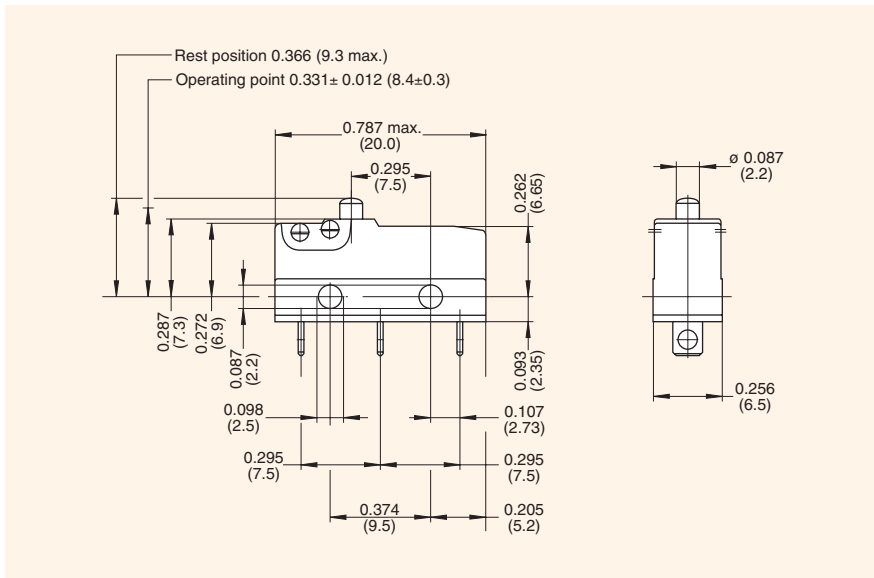
Terminals: Silver-Plated Copper-Zinc

Contacts: Silver Alloy
Gold Crosspoint

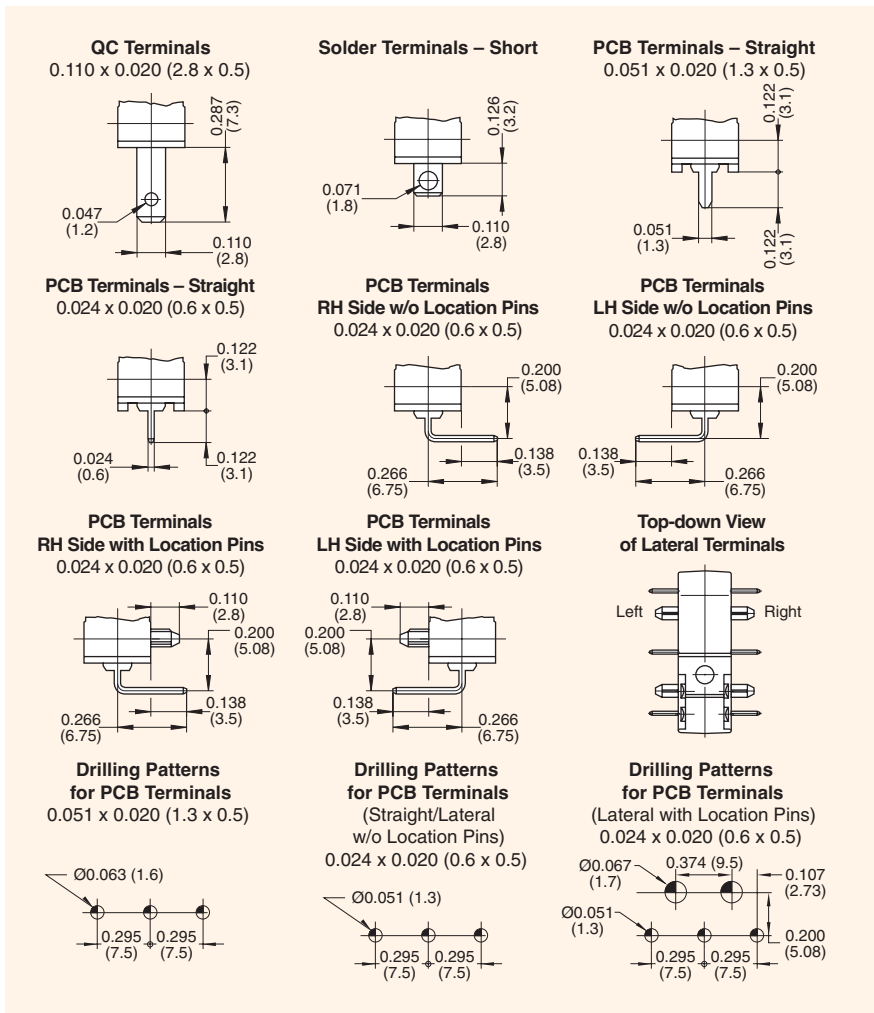
PBT = Polybutyleneterephthalate • PET = Polyethyleneterephthalate • POM = Polyacetal



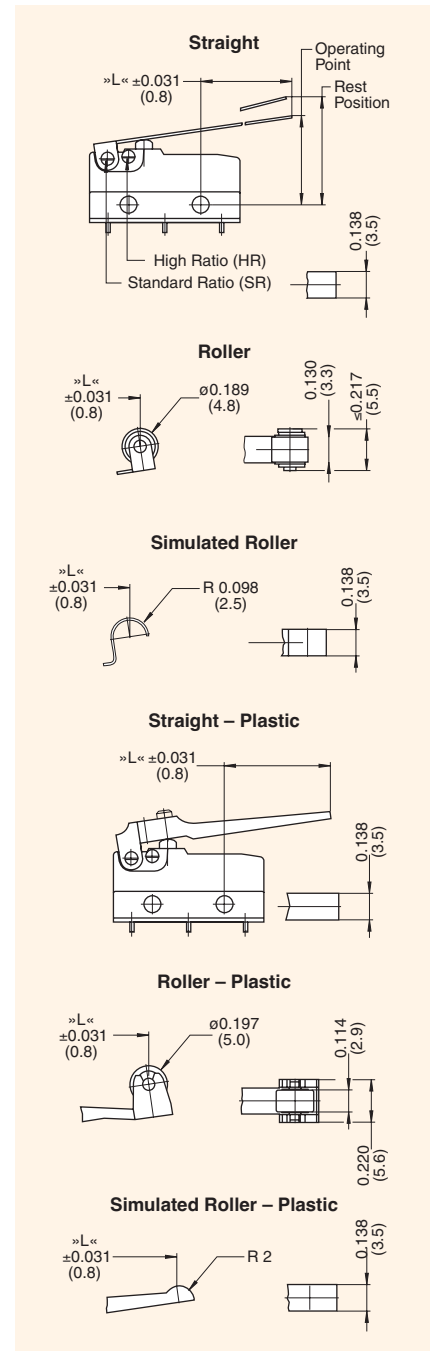
Dimensions inches (mm)



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 | — | — | — | — | — | — | on request |
| 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 | — | — | — | — | — | — | on request |
| 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 | — | — | — | — | — | — | on request |
| 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 (2.1) | 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 |
| +120°C Operating Temp | |
| A | SPST NO |
| B | SPST NC |
| C | SPDT |
| +85°C Operating Temp* | |
| 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.

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