DM Series
Miniature 2 Pole Power Rocker Switches

Features/Benefits
• 3 AMPS to 10 AMPS
• Quick connect terminals
• Double pole in miniature size
• Recessed bracket available—prevents accidental actuation
• RoHS compliant

Typical Applications
• Computers
• Appliances
• Electric tools

Specifications
CONTACT RATING:
DM21, DM22:
GP (general purpose)
3 AMPS 125 VAC 50/60 Hz  T85  10,000 cycles
2 AMPS 250 VAC 50/60 Hz  T85  10,000 cycles
R (resistive)
3 AMPS 30 VDC  T85  10,000 cycles
DM61, DM62:
GP (general purpose)
10 AMPS 125 VAC 50/60 Hz  T85  10,000 cycles
5 AMPS 250 VAC 50/60 Hz  T85  10,000 cycles
R (resistive)
10 AMPS 30 VDC  T85  10,000 cycles
ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.
INSULATION RESISTANCE: $10^9 \, \Omega \, \text{min.}
DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.
OPERATING TEMPERATURE: -20ºC to +65ºC

Materials
HOUSING & ACTUATOR: 6/6 nylon (UL94V-2), black.
MOVABLE CONTACTS: DM2X Models: Copper, silver plated.
DM6X Models: Coin silver, silver plated.
STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.
CONTACT SPRING: Music wire or stainless steel.

NOTE: Any models supplied with Q contact material are RoHS compliant.
NOTE: Specifications and materials listed above are for standard switches. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G–66 and G–69. For additional options not shown in catalog, consult Customer Service Center.
DM Series
Miniature 2 Pole Power Rocker Switches

SWITCH FUNCTION

<table>
<thead>
<tr>
<th>NO. POLES</th>
<th>MODEL NO.</th>
<th>AMP RATING*</th>
<th>SWITCH FUNCTION</th>
<th>CONNECTED TERMINALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DP</td>
<td>DM22</td>
<td>3</td>
<td>DPST</td>
<td>1-1A, 2-2B</td>
</tr>
<tr>
<td></td>
<td>DM62</td>
<td>10</td>
<td></td>
<td>1-1B, 2-2B</td>
</tr>
<tr>
<td></td>
<td>DM21</td>
<td>3</td>
<td>DPST</td>
<td>1-1A, 2-2A</td>
</tr>
<tr>
<td></td>
<td>DM61</td>
<td>10</td>
<td></td>
<td>1-1B, 2-2B</td>
</tr>
</tbody>
</table>

PART NUMBER SHOWN: DM21J1XS205Q

NOTES: 1. ACTUATOR SHOWN IN POSITION 1-'ON' POSITION

RATINGS: See page G-65 for complete ratings.

UL 61058-1 tested to 30C temperature rise @ 6,000 cycles.

ACTUATOR COLOR

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>ACTUATOR COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BLACK</td>
</tr>
<tr>
<td>1</td>
<td>WHITE</td>
</tr>
</tbody>
</table>


HOUSING STYLE/COLOR

S2 SNAP-IN, BLACK

B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK

DM Series
Miniature 2 Pole Power Rocker Switches

HOUSING STYLE/COLOR

G2 ACTUATOR GUARD, BLACK

TERMINATIONS

05 QUICK CONNECT

ACTUATOR MARKINGS

NONE NO MARKING
D ON-OFF
H Ø I
P O –

CONTACT MATERIAL

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>CONTACT AND TERMINAL MATERIAL</th>
<th>RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>SILVER ¹,²</td>
<td></td>
</tr>
</tbody>
</table>

¹ MOVABLE CONTACT: DM2X Models: Copper, silver plated.
DM6X Models: Coin silver, silver plated.
² STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

*Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

NOTE: Any models supplied with Q contact material are RoHS compliant.
DM Series
Miniature 2 Pole Power Rocker Switches

AVAILABLE HARDWARE

Insert

PART NO. 0571902000
Material: Nylon 6/6
Finish: Matte

PART NO. 599D02000
Material: 6/6 Nylon
Finish: Matte

Recessed Actuator Guard

PART NO. 104C22000
Material: PBT thermoplastic
Finish: Matte

PART NO. 216C00000
IP54 SPLASH PROOF RUBBER BOOT
DM Series
Miniature Illuminated Power Rocker Switches

Features/Benefits
- 3 AMPS to 10 AMPS
- Illuminated LED
- Positive detent
- RoHS compliant

Typical Applications
- Instrumentation
- Industrial
- Office machines

Specifications

CONTACT RATING:
DM14 and DM24 Models:
GP (general purpose)
  3 AMPS @ 125 V AC; 2 AMPS @ 250 V AC.
R (resistive)
  3 AMPS 30 VDC 10,000 cycles

DM54 and DM64 Models:
GP (general purpose)
  10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC (UL).
R (resistive)
  10 AMPS 30 VDC 10,000 cycles

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.
INSULATION RESISTANCE: 10^9 Ω min.
DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

Materials

HOUSING: 6/6 nylon (UL94V-2), black.
ACTUATOR: 6/6 nylon (UL94V-2), black.
STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.
LED TERMINALS: Brass, unplated.
CONTACT SPRING: Music wire or stainless steel.
OPERATING TEMPERATURE: -20ºC to +65ºC

NOTE: Any models supplied with Q contact material are RoHS compliant.
NOTE: Specification and materials listed above are for standard switches.
For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G–70 and G–73. For additional options not shown in catalog, consult Customer Service Center.
## DM Series Miniature Illuminated Power Rocker Switches

### SWITCH FUNCTION

<table>
<thead>
<tr>
<th>NO. POLES</th>
<th>MODEL NO.</th>
<th>AMP RATING*</th>
<th>SWITCH FUNCTION</th>
<th>CONNECTED TERMINALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP</td>
<td>DM14</td>
<td>3</td>
<td>ON</td>
<td>1-1A OPEN</td>
</tr>
<tr>
<td></td>
<td>DM54</td>
<td>10</td>
<td>OFF</td>
<td></td>
</tr>
<tr>
<td>DP</td>
<td>DM24</td>
<td>3</td>
<td>ON</td>
<td>1-1A, 2-2A OPEN</td>
</tr>
<tr>
<td></td>
<td>DM64</td>
<td>10</td>
<td>OFF</td>
<td></td>
</tr>
</tbody>
</table>

### DPDT

![Schematic of DPDT switch](image)

Actuator shown in pos. 1 = ‘ON’ position.

SPST MODELS (DM14 & DM54) OMIT TERMINALS 2 & 2A.

### ACTUATOR

**J7** ROCKEY WITH COLORLESS LED WINDOW

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>ACTUATOR COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BLACK</td>
</tr>
<tr>
<td>1</td>
<td>WHITE</td>
</tr>
</tbody>
</table>

### HOUSING STYLE/COLOR

**S2** SNAP-IN, BLACK

![Housing Style/Color](image)

**NOTE:** Housing finish: matte. Other colors available, consult Customer Service Center.

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* RATINGS: see page G-69.

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**Dimensions are shown: inches (mm)**

Specifications and dimensions subject to change.

www.ckswitches.com
**DM Series**

**Miniature Illuminated Power Rocker Switches**

**HOUSING STYLE/COLOR**

<table>
<thead>
<tr>
<th>G2</th>
<th>ACTUATOR GUARD, BLACK</th>
</tr>
</thead>
</table>

**TERMINATIONS**

05 QUICK CONNECT

**CONTACT MATERIAL**

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>CONTACT AND TERMINAL MATERIAL</th>
<th>RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>SILVER 1,2</td>
<td>POWER</td>
</tr>
<tr>
<td></td>
<td>DM14, DM24:</td>
<td>GP (general purpose) 3 AMPS @ 125 V AC; 2 AMPS @ 250 V AC.</td>
</tr>
<tr>
<td></td>
<td>DM54, DM64:</td>
<td>GP (general purpose) 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC.</td>
</tr>
</tbody>
</table>

*Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

1 MOVABLE CONTACTS: DM14 and DM24 models: Copper, silver plated. DM54 and DM64 models: Coin silver, silver plated.

2 STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

**LED COLOR**

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>LED COLOR</th>
<th>FORWARD VFD</th>
<th>CURRENT LED</th>
<th>REVERSE VSR</th>
<th>INTENSITY MCD</th>
<th>RECOMMENDED RESISTOR @ VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Red</td>
<td>2.1</td>
<td>10</td>
<td>4V</td>
<td>1.6 typ.</td>
<td>270 1K 2.2K</td>
</tr>
<tr>
<td>4</td>
<td>Amber</td>
<td>2.2</td>
<td>20</td>
<td>4V</td>
<td>2.5 typ.</td>
<td>150 510 1.2K</td>
</tr>
<tr>
<td>6</td>
<td>Green</td>
<td>2.1</td>
<td>20</td>
<td>4V</td>
<td>2.0 typ.</td>
<td>150 510 1.2K</td>
</tr>
</tbody>
</table>

**NOTE:** Any models supplied with Q contact material are RoHS compliant.

**NOTE:** Blank insert available for SP models only, see page H-80.
DM Series
Miniature Illuminated Power Rocker Switches

AVAILABLE HARDWARE

Blank Insert

PART NO. 057190200
Material: Zinc nylon 6/6
Finish: Matte

Recessed Bracket

PART NO. 599D02000
Material: 6/6 Nylon
Finish: Matte

Actuator Guard

PART NO. 104C22000
Material: PBT thermoplastic
Finish: Matte

Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

www.ckswitches.com