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***

UL 61058-1

Specifications

CONTACT RATING: DM14 and DM24 Models: 3 AMPS @ 125 V AC; 2 AMPS @ 250 V AC. DM54 and DM64 Models: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC (UL).

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.

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.

Materials

HOUSING: 6/6 nylon (UL94V-2), black.

ACTUATOR: 6/6 nylon (UL94V-2), black.

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

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

LED TERMINALS: Brass, unplated.

CONTACT SPRING: Music wire or stainless steel.

OPERATING TEMPERATURE: -20°C to +65°C

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–71 and G–73. For additional options not shown in catalog, consult Customer Service Center.



Switch Function
DM14 SPST, 3 AMP
DM24 DPST, 3 AMP
DM54 SPST, 10 AMP
DM64 DPST, 10 AMP

Actuator
J7 Rocker with colorless LED window

Actuator Color
2 Black
1 White

Housing Style/Color
S2 Snap-in, black
G2 Actuator guard, black

Terminations
05 Quick connect

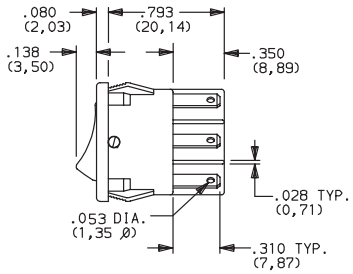
Contact Material
Q Silver

LED Color
3 Red
4 Amber
6 Green

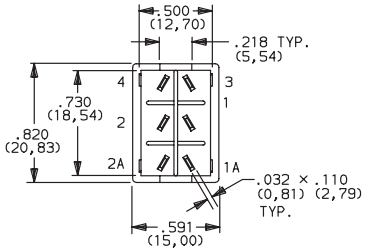
SWITCH FUNCTION

NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2	CONNECTED TERMINALS POS. 1	CONNECTED TERMINALS POS. 2	SCHEMATIC
SP	DM14 DM54	3 10	ON	OFF	1-1A	OPEN	SPST
DP	DM24 DM64	3 10	ON	OFF	1-1A, 2-2A	OPEN	DPST

DPDT



Actuator shown in pos. 1 – 'ON' position.



TERM. NOS. FOR REFERENCE ONLY

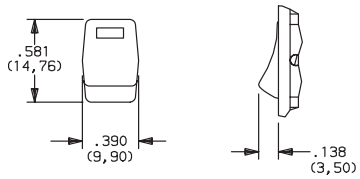
SPST models (DM14 & DM54), omit terminals 2 and 2A.

Part number shown: DM24J72S205Q3

* RATINGS: see page G-70

ACTUATOR

J7 ROCKER WITH COLORLESS LED WINDOW

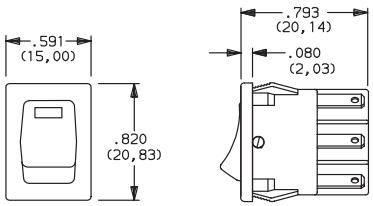


OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE

NOTE: Other colors available, consult Customer Service Center.

HOUSING STYLE/COLOR

S2 SNAP-IN, BLACK



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

Third Angle Projection

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

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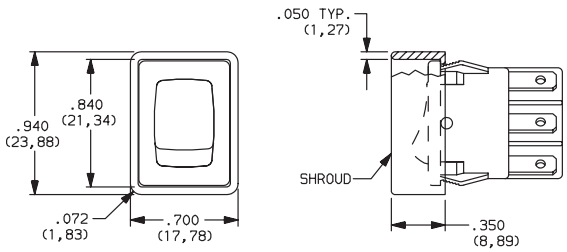
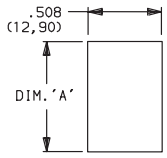
HOUSING STYLE/COLOR

G2 ACTUATOR GUARD, BLACK

NEW!



PANEL MOUNTING



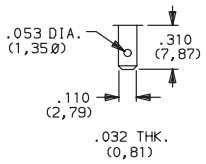
'S2' & 'G2' housing style

NOTE: Blank insert available for SP models only, see page H-80.

PANEL THICKNESS	DIM 'A' 'S2' & 'G2' HOUSING STYLES	DIM 'A' with 'G2' option SP MODELS ONLY
.030–.049 (0,76) (1,24)	0.756 (19,20)	0.764 (19,41)
.049–.079 (1,24) (2,01)	0.764 (19,41)	0.780 (19,81)
.079–.118 (2,01) (3,00)	.780 (19,81)	n/a

TERMINATIONS

05 QUICK CONNECT



CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
Q	SILVER [1,2]	POWER	DM14 and DM24 Models: 3 AMPS @ 125 V AC; 2 AMPS @ 250 V AC. DM54 and DM64 Models: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC.

* 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.

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

LED COLOR

OPTION CODE	LED COLOR	FORWARD V_{FD}	CURRENT L_{LED}	REVERSE V_R	INTENSITY M_{CD}	RECOMMENDED RESISTOR @ VOLTAGE		
						5V	12V	24V
3	Red	2.1	10	4V	1.6 typ.	270	1K	2.2K
4	Amber	2.2	20	4V	2.5 typ.	150	510	1.2K
6	Green	2.1	20	4V	2.0 typ.	150	510	1.2K

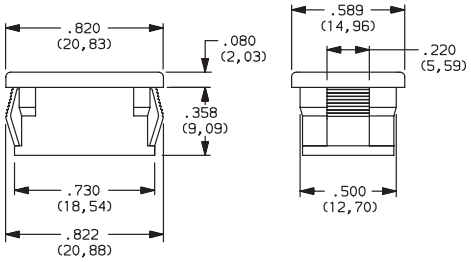
Third Angle Projection

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

AVAILABLE HARDWARE

Blank Insert





PART NO.
057190200

Material: Zinc nylon 6/6
Finish: Matte

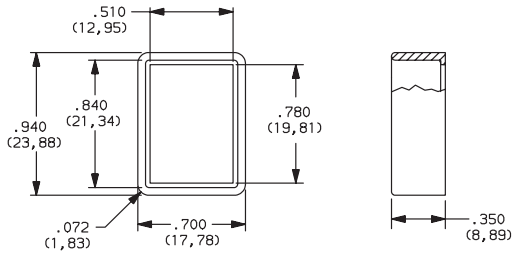
Recessed Bracket



PART NO.
599D02000

Material: 6/6 Nylon
Finish: Matte

Actuator Guard



PART NO.
104C22000

Material: PBT thermoplastic
Finish: Matte

Third Angle Projection

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