

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: 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/CSA).

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

INSULATION RESISTANCE: $10^9 \Omega$ 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.

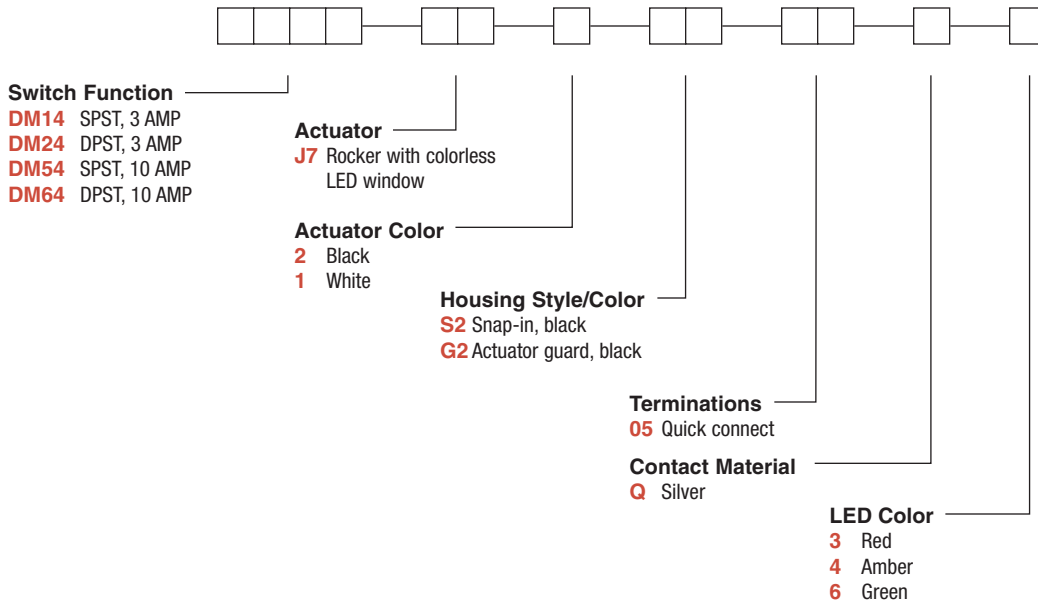
LED TERMINALS: Brass, unplated.

CONTACT SPRING: Music wire or stainless steel.

OPERATING TEMPERATURE: -20°C to +85°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 H-75 and H-77. For additional options not shown in catalog, consult Customer Service Center.



Rocker



H

G&K

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

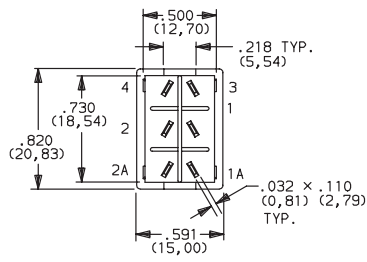
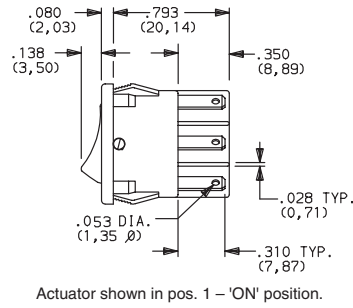
DM Series Miniature Illuminated Power Rocker Switches

SWITCH FUNCTION



NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
			POS. 1	POS. 2	POS. 1	POS. 2	
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



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

Part number shown: DM24J72S205Q3

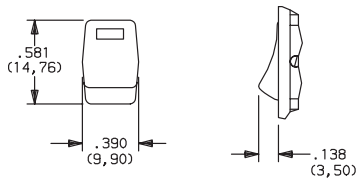
* RATINGS: DM14 and DM24 models: 3 AMPS @ 125 V AC; 2 AMPS @ 250 V AC. DM54 and DM64 models: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC.

All models with all options.

ACTUATOR



J7 ROCKER WITH COLORLESS LED WINDOW



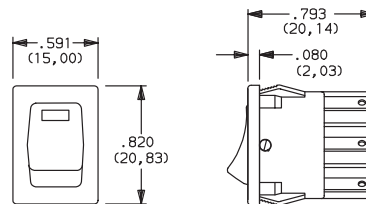
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE

NOTE: Other colors available, consult Customer Service Center.

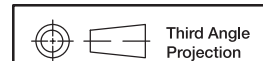
HOUSING STYLE/COLOR



S2 SNAP-IN, BLACK



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



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

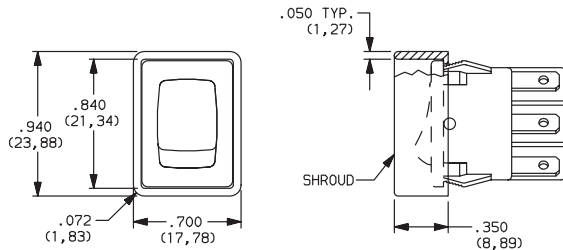


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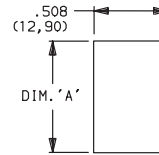
HOUSING STYLE/COLOR

G2 ACTUATOR GUARD, BLACK

NEW!



PANEL MOUNTING



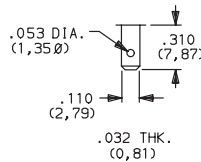
'S2' & 'G2' housing style

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	
		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.
Q	SILVER 1,2		

* 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.

All models with all options.

LED COLOR

OPTION CODE	LED COLOR	FORWARD V _{FD}	CURRENT I _{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: Inch (mm)

Specifications and dimensions subject to change

Rocker



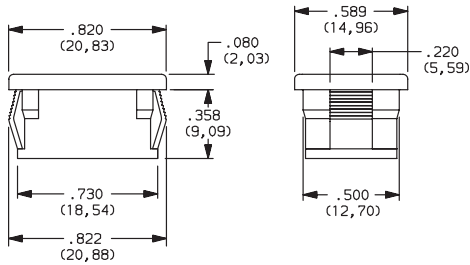
H

G&K

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AVAILABLE HARDWARE

Blank Insert



PART NO.
057190200

Material: Zinc nylon 6/6
Finish: Matte

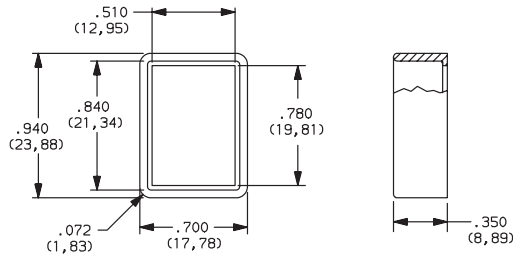
Recessed Bracket



PART NO.
057090100

Material: 6/6 Nylon
Finish: Matte

Actuator Guard



PART NO.
104C22000

Material: PBT thermoplastic
Finish: Matte