

MDPSLFS Datasheet

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DiGi Electronics Part Number	MDPSLFS-DG
Manufacturer	C&K
Manufacturer Product Number	MDPSLFS
Description	SWITCH PUSH SPST-NO 0.1A 100V
Detailed Description	Pushbutton Switch SPST-NO Keyswitch Through Hole

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Purchase and inquiry

Manufacturer Product Number:

MDPSLFS

Series:

MDP

Mounting Type:

Through Hole

Circuit:

SPST-NO

Current Rating (Amps):

100mA (AC/DC)

Voltage Rating - DC:

100 V

Actuator Marking:

No Marking

Illumination Type, Color:

-

Termination Style:

PC Pin

Features:

Tactile Feedback

Operating Temperature:

-25°C ~ 70°C

Electrical Life:

200,000 Cycles

Manufacturer:

C&K

Product Status:

Active

Type:

Keyswitch

Switch Function:

Off-Mom

Voltage Rating - AC:

100 V

Actuator Type:

Plunger for Cap

Color - Actuator/Cap:

Black

Illumination Voltage (Nominal):

-

Ingress Protection:

-

Panel Cutout Dimensions:

-

Mechanical Life:

-

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.50.9031

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

MD and MDP Key Switches



The disc contact type ED is a momentary key switch with short travel and good tactile feedback.

The ED is the main component of the MD and MDP switches.

MDP-Disc push-button key switch

Small momentary key switch equipped with button, can be mounted on printed circuit board.

MD-Disc push-button key switch

Small momentary key switch including a protective rubber actuator.

A wide range of keyboards can be built by using the MD.

MD and MDP key pads are available in two contact materials:

- gold plated bronze
- silver plated bronze

Construction

Function	Momentary
Contact arrangement	1 make contact = SPST
Distance between button centers, min.	12.7 (0.500)
Terminals	PC pins

Electrical data

	Silver	Gold
Switching power max.	6 W AC/DC	3 W AC/DC
Switching voltage max.	100 V AC/DC	100 V AC/DC
Switching current max.	100 mA AC/DC	50 mA AC/DC
Dielectric strength (50 Hz/1 Min.)	300 V	300 V
Operating life with max. switching power	MD $\geq 10^6$ MDP $\geq 2 \times 10^5$	$\geq 5 \times 10^6$ $\geq 2 \times 10^5$
Contact resistance, initial	$\leq 10 \text{ m}\Omega$	$\leq 15 \text{ m}\Omega$
Insulation resistance	$\geq 10^{11} \Omega$	$\geq 10^{11} \Omega$
Contact bounce	$\leq 100 \mu\text{s}$	$\leq 100 \mu\text{s}$

Mechanical data

	MD	MDP
Switching travel	0.6 (0.0236)	0.3 (0.0118)
Operating force	2.6N \pm 25% (260 grams \pm 25%)	2.4N \pm 25% (240 grams \pm 25%)

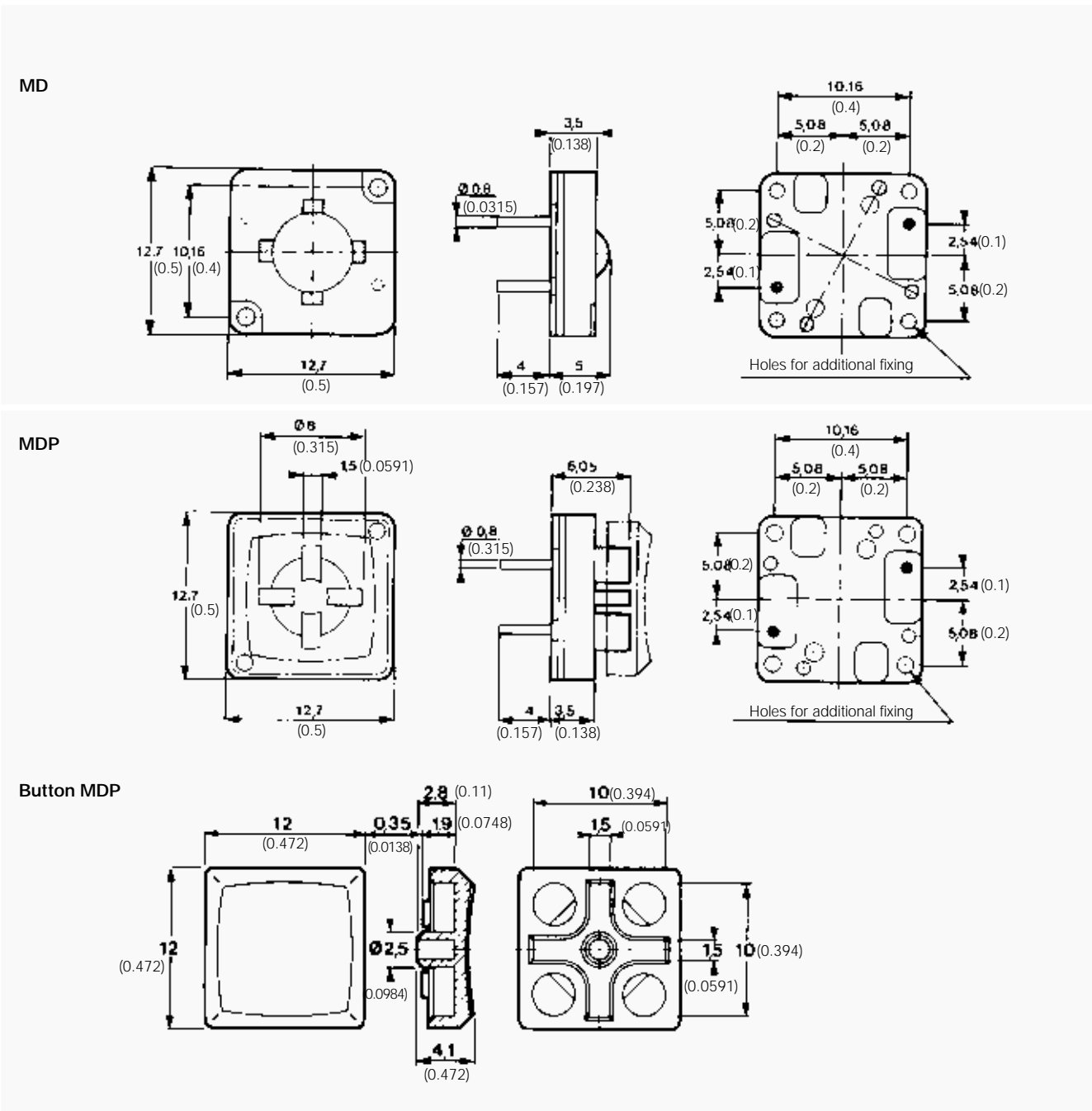
Further data

Contact material	Silver, Gold
Operating temperature	- 25°C to + 70°C ¹⁾
Storage temperature	- 40°C to + 85°C
Climatic category (days)	10 for silver version 56 for gold version
Soldering by static bath	255°C for 5 seconds

¹⁾ Special design for ambient temperature - 40°C to + 85°C (Type MD40) available (not washable in solvents)
Note: MD40 disc keyswitch conforms to climatic category 40/85/56.

MD and MDP Key Switches

Dimensional Drawings



Ordering code		1	2	3
		Example:		
1	Designation: MD, MDP, MD40	MD	AG	04
2	Contact material: AG = silver, AU = gold	→	↑	↑
3	MDP button color: 01 = black, 02 = white, 03 = red, 04 = light grey, 05 = dark grey, 07 = blue	→	→	↑

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