

MHPS SERIES KEY SWITCHES

FEATURES

- Double pole - double throw and 4 pole - double throw configurations.
- Momentary (non-locking) and maintained action (locking) models.
- Shorting and non-shorting contacts.
- Audible ('click') and non-audible action models.

GENERAL SPECIFICATIONS

Contact rating:	100 mA @ 30 VDC
Insulation resistance:	100 megohms minimum at 500 VDC
Dielectric withstanding voltage:	500 VAC for 1 minute
Contact resistance:	100 milliohms maximum
Life:	10,000 cycles minimum
Operating temperature range:	-20°C to +65°C

SOLDERING

Wave soldering:	260°C max. for 5 seconds maximum
Manual soldering:	350°C ± 10°C for 3 seconds maximum
Solvent washing:	Non-washable.

MATERIALS

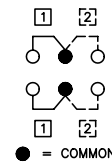
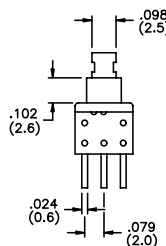
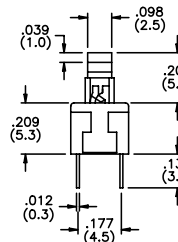
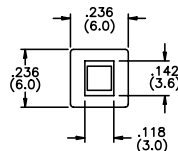
Case:	PBT (model MHPS2266 only - Type 6/6 nylon)
Cover:	Acetal (model MHPS2266 only - Type 6/6 nylon)
Actuator:	Acetal
Terminals:	Silver plated brass
Shorting Contact:	Silver plated phosphor bronze

US # MHPS2266

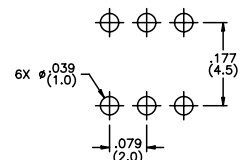
Travel: full-.075" (1.9mm)
to lock-.039" (1mm)
Operating force: 140±50g



DOUBLE POLE



SCHEMATIC



P.C. board layout

US Model No.	Action	Contacts	Audible
MHPS2266	maint'd.	non-sh't'g.	no
MHPS2266N	mom.	non-sh't'g.	no

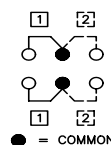
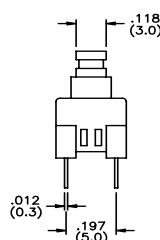
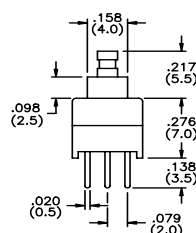
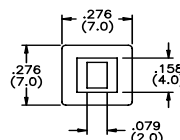
M

US # MHPS2273 EU # PHAP4673

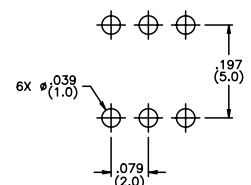
Travel: full-.071" (1.8mm)
to lock-.039" (1mm)
Operating force: 140±50g



DOUBLE POLE



SCHEMATIC



P.C. board layout

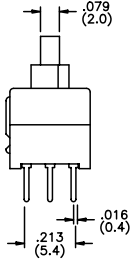
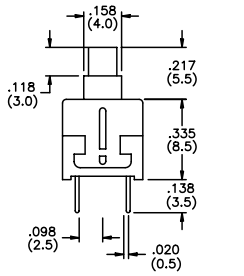
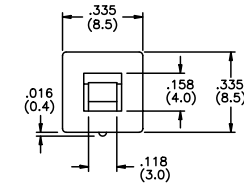
US Model No.	Action	Contacts	Audible	EU Model No.
MHPS2273	maint'd.	non-sh't'g.	no	PHAP4673
MHPS2273N	mom.	non-sh't'g.	no	N/A

US # MHPS2283
EU # PHAP4683W

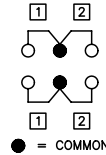
Travel: full-.098" (2.5mm)
to lock-.059" (1.5mm)
Operating force: 180±50g



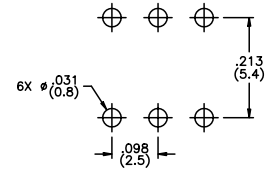
DOUBLE POLE



US Model No.	Action	Contacts	Audible	EU Model No.
MHPS2283	maint'd.	non-sht'g.	yes	PHAP4683W
MHPS2283N	mom.	non-sht'g.	no	N/A
MHPS2283V	mom.	non-sht'g.	yes	PHAP4383V



SCHEMATIC



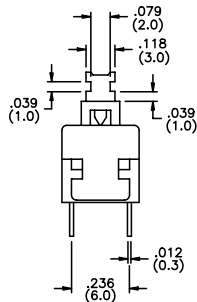
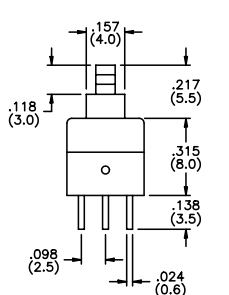
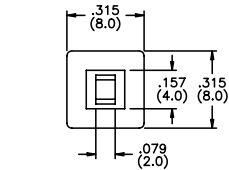
P.C. board layout

US # MHPS2285

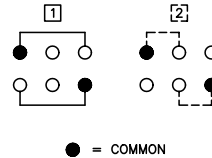
Travel: full-.098" (2.5mm)
to lock-.059" (1.5mm)
Operating force: 180±50g



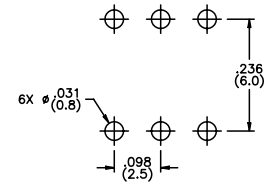
DOUBLE POLE



Model No.	Action	Contacts	Audible
MHPS2285	maint'd.	non-sht'g.	yes
MHPS2285N	mom.	non-sht'g.	no
MHPS2285V	mom.	non-sht'g.	yes



SCHEMATIC



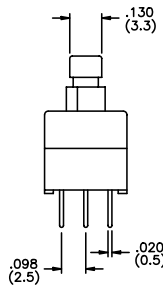
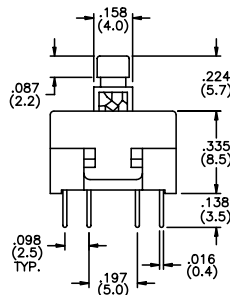
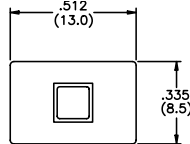
P.C. board layout

US # MHPS4284

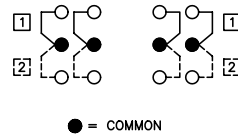
Travel: full-.098" (2.5mm)
to lock-.059" (1.5mm)
Operating force: 180g
+100g, -50g



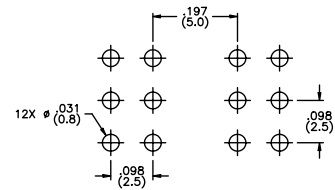
FOUR POLE



Model No.	Action	Contacts	Audible
MHPS4284	maint'd.	non-sht'g.	no
MHPS4284N	mom.	non-sht'g.	no
MHPS4284V	mom.	non-sht'g.	yes

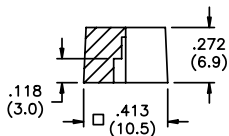


SCHEMATIC

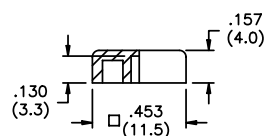


P.C. board layout

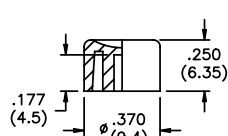
CAPS (fit MHPS2273, MHPS2283 and MHPS2285 models only)



MH1 Square cap



U4520 Square cap



U4530 Round cap

Note - add digit from table to cap part number for color.
Example - **MH12** indicates black cap.

No.	Color
1	blue
2	black
3	green
5	yellow
6	red
7	ivory

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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