

LCW Series Subminiature Sealed Snap-acting Switches

NEW



UL61058-1 

Features/Benefits

- Compact design
- Quick connect, solder terminals, PC terminals, wire leads
- Wide variety of actuator styles
- RoHS compatible, RoHS compliant
- IP67
- New generation price competitive

Typical Applications

- Motorized equipment
- Sump pump
- Thermostatic controls
- Computers
- Air conditioners

Specifications

CONTACT RATING: from low level to 0.1 Amp
ELECTRICAL LIFE: 10,000 cycles
INSULATION RESISTANCE: 100 M ohm min.
DIELECTRIC STRENGTH: 1,000 VAC
OPERATING TEMPERATURE:
-40°C to +120°C
OPERATING FORCE: (see ACTUATOR'S option sections).
MOUNTING: 2-56 screws, torque 2.3 in/lbs max.

Materials

SWITCH HOUSING: PBT
SWITCH COVER: PBT
ACTUATOR BUTTON: PBT
SPRING: SUS
MOVABLE CONTACTS: Copper
STATIONARY CONTACTS: AgNi10
TERMINALS: Brass.
ACTUATOR LEVEL: SUS
RUBBER: Silicone

NOTE: Specifications and materials listed above are for switches with standard options.
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 J-44 thru J-47. For additional options not shown in catalog, consult Customer Service Center.

Option Code	UL 61058-1	Operating Force	Actuator	Terminations	Circuitry	Wire Side
01	0.1 A 125/250 V AC	2 203 grams	P00 Pin plunger T00 12 mm short lever T05 17.5 mm short lever T07 19.5 mm short lever T13 25.6 mm lever S26 18.6 mm simulated lever	S Solder Q 0.110 Quick Connect P PC Thru Hole W Wire leads potted	C SPDT W SPST N.C. Y SPST N.O.	A Wire out the bottom (check if available) B Wire out the right side (check if available) D None (Default)



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Technical drawings of the G&K LCW relay, showing dimensions in millimeters (mm) and electrical specifications.

Top View: Overall dimensions are 19.8 mm (width) and 6.4 mm (height). The central circular feature has a diameter of 6.4 mm.

Side View: Shows the relay's profile with a total height of 9.3 mm. The base is 6.95 mm high. The mounting tab has a width of 3.2 mm.

Front View: Shows the relay's face with three terminals labeled NC, NO, and C. The distance between the NC and NO terminals is 7.5 mm, and the distance between the NO and C terminals is 15 mm. The overall width is 19.8 mm. The relay is labeled "G&K LCW".

Top View (Detailed): Shows the relay's top with three terminals labeled NC, NO, and C. The distance between the NC and NO terminals is 7.5 mm, and the distance between the NO and C terminals is 15 mm. The overall width is 19.8 mm. The relay is labeled "G&K LCW".

Side View (Detailed): Shows the relay's side with a total height of 9.3 mm. The base is 6.95 mm high. The mounting tab has a width of 3.2 mm.

Front View (Detailed): Shows the relay's face with three terminals labeled NC, NO, and C. The distance between the NC and NO terminals is 7.5 mm, and the distance between the NO and C terminals is 15 mm. The overall width is 19.8 mm. The relay is labeled "G&K LCW".

Electrical Specifications:

- 0.1A CP 120VAC
- 0.1A R 30VDC
- TE4 T120

Dimensions:

- Overall width: 19.8 mm
- Overall height: 9.3 mm
- Base height: 6.95 mm
- Mounting tab width: 3.2 mm
- Terminal spacing (NC to NO): 7.5 mm
- Terminal spacing (NO to C): 15 mm
- Terminal diameter: $\phi 2.6 \pm 0.1$ mm
- Terminal pitch: $\phi 2.3 \pm 0.1$ mm
- Terminal width: $\phi 2.3 \pm 0.1$ mm

Terminations: S:3- $\phi 1.5$

Termination Dimensions:

- Overall width: 15 $\pm$ 0.1 mm
- Terminal spacing: 7.5 $\pm$ 0.1 mm

Circuit Diagram: Shows the relay's internal circuit with three terminals labeled NC, NO, and C.

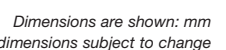
PCB LAYOUT: Shows the relay's footprint on a PCB with three terminals labeled NC, NO, and C.

Snap-acting

RoHS COMPLIANT *	RoHS COMPATIBLE *	OPTION CODE	ELECTRICAL RATING
YES	YES	01	0.1 AMP, 125/250 V AC

A number line from 0 to 10. The first two boxes are shaded blue and contain the numbers 0 and 1. The remaining eight boxes are white and contain the numbers 2 through 9.

OPTION CODE	OPERATING FORCES (grams)
2	203 g. max.

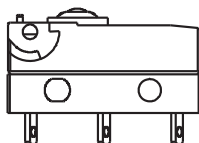


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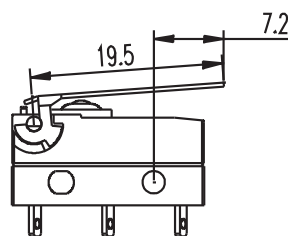
NEW

ACTUATOR 

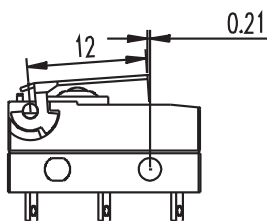
P00



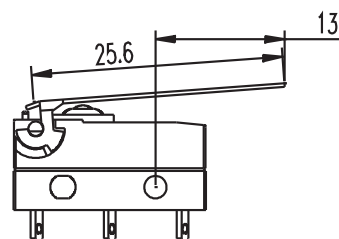
T07



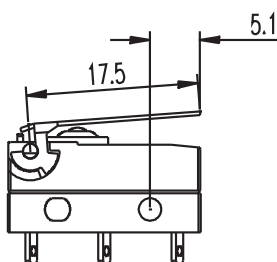
T00



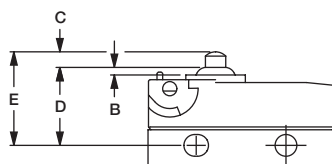
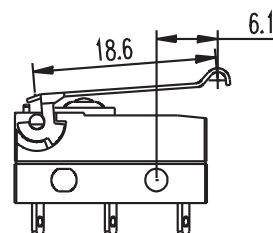
T13



T05



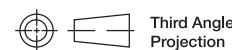
S26



Snap-acting

Actuator Option Code	A	B	C	D	E	Differential Motion (max)	Operating Force (Max)	Release Force (Min)
	Length of Lever	Overtravel (min)	Pretravel (max)	Operating Position	Free Position (max)			
P00	Not Appli- cable	0.6	1	8.7±0.3	9.4	0.9	203	30
T00	12	0.6	4.9	8.8±1.2	12.5	1	100	15
T05	17.5	0.6	5.7	8.8±1.5	13	1.2	90	10
T07	19.5	0.6	6.2	8.8±1.5	13.5	1.2	70	10
T13	25.6	1	4.7	8.8-11.24	13.5	1.5	54	5
S26	18.6	0.6	4.6	10.7±1.2	14.1	1.5	68	5

Dimensions are in mm and force in grams



Third Angle
Projection

C&K

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Dimensions are shown: mm
Specifications and dimensions subject to change

NEW

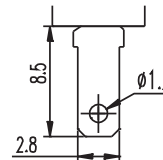
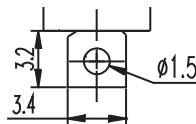
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TERMINATIONS

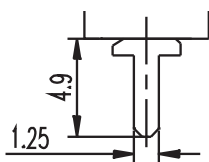


S SOLDER

Q QUICK CONNECT 2.8mm / 0.110"



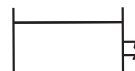
P PC THRU HOLE



W "A" WIRE ORIENTATION OUT THE BOTTOM
"W" CIRCUITRY



W "B" WIRE ORIENTATION OUT THE RIGHT SIDE
"W" CIRCUITRY



Snap-acting

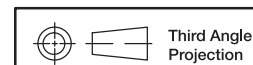
CIRCUITRY



C SPDT (Single Pole, Double Throw)

W SPST N.C. (Single Pole, Single Throw, Normally Closed)

Y SPST N.O. (Single Pole, Single Throw, Normally Open)



Third Angle
Projection

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C&K

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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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