

0.25 AMP MINIATURE LED LIGHTED

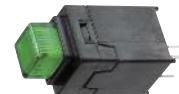
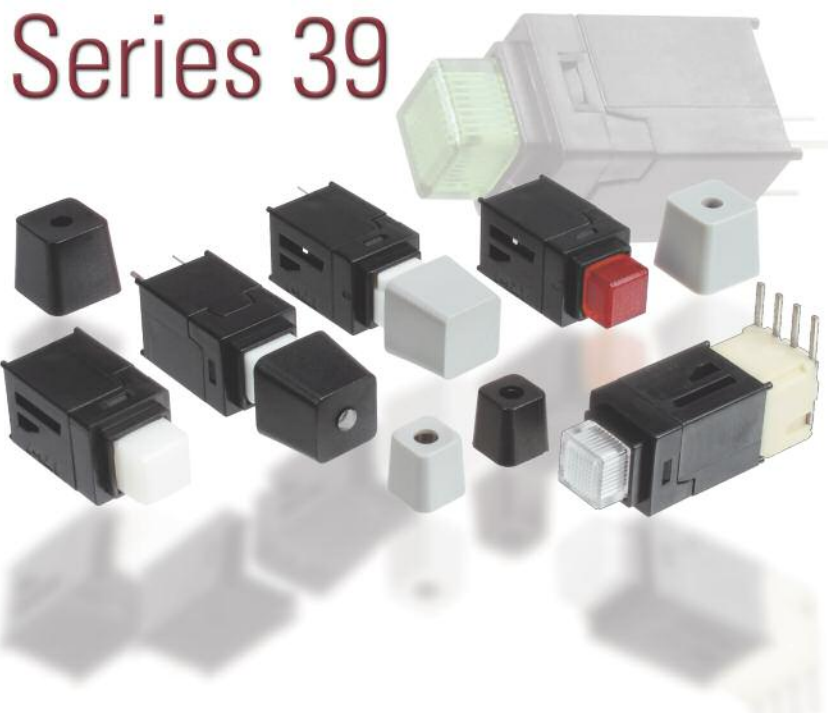
This highly reliable low cost pushbutton features bifurcated contacts that have wiping, self-cleaning action. The PC terminals allow for vertical mounting, while an optional connector allows for right angle mounting.

APPLICATIONS

- Control panel assemblies
- Recording equipment
- Telecom switching systems
- Scientific instrumentation
- Telecom test gear

KEY FEATURES:

- Momentary or maintained action
- Wave solderable
- Lighted (T-1 LED) or non-lighted
- Bifurcated silver contacts
- Variety of button and keycap styles



ACTUAL SIZE

ORDERING INFORMATION:

Switches

Part Number	Lighted	LED Color	Button Color	Button Style	Action
39-12101	Yes*	—	Clear	Button	Momentary
39-12111	Yes*	—	Red	Button	Momentary
39-12113	Yes*	—	Yellow	Button	Momentary
39-12114	Yes*	—	Smoke Grey	Button	Momentary
39-12502	No	—	White	Button	Momentary
39-12503	No	—	Red	Button	Momentary
39-12509	No	—	Black	Button	Momentary
39-12601	Yes	Red	Clear	Button	Momentary
39-12712	Yes	Green	Green	Button	Momentary
39-13101	Yes*	—	Clear	Button	Maintained
39-13113	Yes*	—	Yellow	Button	Maintained
39-22100	Yes*	—	—	Keycap	Momentary
39-22500	No	—	—	Keycap	Momentary
39-23100	Yes*	—	—	Keycap	Maintained
39-23500	No	—	—	Keycap	Maintained

* LED not included; LED support 80-390003 supplied in bulk.

Button/Keycap Colors

Part Number	Lighted	Color	Cap Size
80-390101	Yes*	White	Large
80-390102	Yes*	Light Grey	Large
80-390103	Yes*	Dark Grey	Large
80-390106	No	Light Grey	Large
80-390107	No	Dark Grey	Large
80-390108	No	Black	Large
80-390111	Yes**	Black	Small

* Requires light pipe 80-390100 (order separately)

** Requires light pipe 80-390109 (order separately)

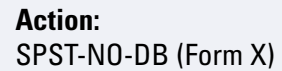
Connectors

Part Number	Mount
39-800001	In-Line

STANDARDS / AGENCY / RATINGS:



MECHANICAL / ELECTRICAL CHARACTERISTICS:



Button travel:
3.05 mm (.120 in) nominal

Operating Force:
113 grams nominal

Contact Resistance:

Initial: 25 mΩ max.
End of life: 50 mΩ max.

Contact bounce:

Initial: 1 millisecond max.
End of life 3 milliseconds max.

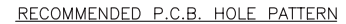
Electrical life:

Momentary: 1 million cycles
Maintained: 25,000 cycles

Electrical rating:

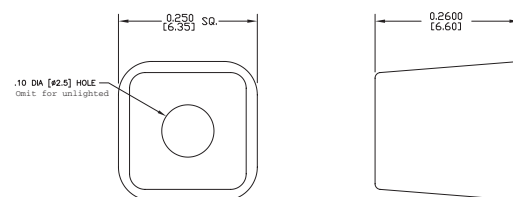
.25A @ 30 VDC res.

IN-LINE CONNECTOR



RECOMMENDED P.C.B. HOLE PATTERN

SMALL LIGHTED & UNLIGHTED KEYCAP



TW Switches
SENSORS, SWITCHES, ELECTRONIC CONTROLS

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ITW Switches:

[3913101](#) [39-12101](#) [39-12502](#) [39-12601](#) [39-22100](#) [39-22500](#) [80-390102](#) [80-390106](#) [39-12509](#)