Professional quick-break momentary pushbutton switches



5W13001808

### DISTINCTIVE FEATURES

PC and panel mount models Bushing Ø 6.35 (1/4) and 11.9 (15/32) UL and CECC approved



### ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
- silver contacts (A-AD2) : 4 A 30 VDC
- gold plated contacts (CD) : 100 mA 30 V  $\,$
- Minimum load (AD2-CD contacts) : 10 mA 50 mV, 10  $\mu\text{A}$  5 V min.
- Initial contact resistance : 10 m $\Omega$  max.
- Insulation resistance : 1,000  $\text{M}\Omega$  min. at 5 00VDC
- Dielectric strength : 1,000 Vrms 50 Hz min. between terminals
  2,000 Vrms 50 Hz min. between poles and between terminals and frame
- Contact bounce : 2 ms max.
- Electrical life :

Contacts	Max. current/voltage rating	Number of cycles
А	4 A 30 VDC	50,000
AD2	4 A 30 VDC (gold plating : 100 mA 30 VDC max.)	20,000
CD	100 mA 30 VDC	50,000
	Low level or mechanical life	150,000



#### **GENERAL SPECIFICATIONS**

- Torque : 1.25 Nm (.922 Ft.lb) max. applied to nut
- Standard panel thickness : 2 mm (.078 ) max.
- Total travel : 2 mm (.078)
- Operating temperature : -40 °C to +85 °C (-40 °F to +185 °F)

The company reserves the right to change specifications without notice.





Professional quick-break momentary pushbutton switches

#### $\mathbb{D}$ MATERIALS

- Case : diallylphthalate (DAP)
- Actuator : brass, nickel plated
- Bushing : brass, nickel plated
- Housing : brass, nickel plated
- Contacts :
- A: silver

AD2 : silver, gold plated (2 micron gold) CD : brass, gold plated

Terminal seal : epoxy

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

Note : AD2 contacts can be used for high level applications. In this case, the gold layer is considered only as a protection against oxidation during storage.

### **RELIABILITY - RUN-IN TEST**

Upon request, each individual switch can be submitted to a low level run-in test of 50 or 250 cycles to ensure suitability for special applications requiring a very high level of reliability (military, space,etc.).

#### AGENCY APPROVALS



2 A 125 VAC/250 VAC



CECC 96401-001

Designed to MIL specifications

Availability : UL : all models with silver or gold plated silver contacts. CECC : consult factory for details of approved models. Marking : to order switches marked UL or CECC, complete appropriate box of ordering format.



**TERMINALS** 









FOR Ø 6,35 (1/4) BUSHING







With K sealing option



With X640 sealing option

## Professional quick-break momentary pushbutton switches



On the following pages, you will find successively basic part numbers of switches and options in the same order as in above chart.

- () Notice : please note that not all combinations of above numbers are available. Refer to the following pages for further information.
- (b) Sealing boots are available to protect the switches against dust and water. See "Sealing Boots" section of website.
- Mounting accessories : standard hardware supplied with all models : 2 hex nuts 8 mm (.314) across flats, 1 locking ring and 1 lockwasher. Standard and special hardware is presented in the "Hardware" section of website.

Professional quick-break momentary pushbutton switches



6.00 (.236)

Short (-4)

0.50 (.019)

Long (-9)

MOM

ΟN

Chrome plated actuator.

Switch guard available for this model : see "Switch guards" section of website.

13445 -9 X768

4

#### Professional quick-break momentary pushbutton switches



APEN

Professional quick-break momentary pushbutton switches



UL

**CECC** CECC 96401-001

Blank No agency approval required.

#### Availability

UL : all models with silver or gold plated silver contacts CECC : consult factory for details of approved models.

#### Marking

To order switches marked UL or CECC, please complete above box with desired approval.

### **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Pushbutton Switches category:

Click to view products by Apem manufacturer:

Other Similar products are found below :

 8940K2012
 LW1L-M1C10V-A
 LW1L-M1C70-A
 LW2L-A1C20M-GD
 LW2L-M1C20M-A
 60324L
 M22-D-R-GB0/K11
 M7E-HRN2

 67021K512
 67081K512X
 701PB580
 7190K101
 7199K101
 810K12910
 810KSV30B
 MML21EA2ADK
 MML21KA3ABK

 MML23KA3AC05K-001
 MML23KW3AA01W
 8418K2
 8442K3
 8450K1
 860K11911T01A
 861901
 861K11911T01A07

 861K13810T00A14
 861K13911
 8646AB6X718UL
 8646ABUL
 9001KXRK
 907AYY100
 PMHD155A1
 95-313.000

 9533CD4+U574+U4922
 95-414.000
 99-450.837
 99-453.837
 PV3H2B0NN-341
 1203MRA
 A22NZBGANGA
 A22NZBMMNGA

 A22NZBNANGA
 A22NZMPATRA
 A2PMA1X03EC56
 A3A-5123-02
 A3A-7140
 A3A-7340
 A3U-TMW-A2C-5M
 A595