

KP6 series

Keypad with 6 customizable keys



DISTINCTIVE FEATURES

- One LED indicator per key + backlit legends
- 1 million cycles
- Snap-in mounting
- Flush to panel



ENVIRONMENTAL SPECIFICATIONS

- Front panel component sealing : IP65 according to IEC 60529
- Shock resistance : 3 sinusoidal impulse 300 m/s² 18 ms on 3 axis according to IEC 60068-2-27
- Vibrations : 8 h ; 10-350 Hz - power spectral density from 0.005 to 0.002 G²/Hz 10-500 Hz - 5 g according to IEC 60068-2-64 and IEC 60068-2-6
- Acceleration : 20 m/s² 10 Hz-2000 Hz according to IEC 60068-2-6
- Salt spray : IEC 68-2-11 test Ka 35 °C (95 °F) 96 h
- Operating temperature : -30 °C to +70 °C (-22 °F to +158 °F)
- Storage temperature : -40 °C to +85 °C (-40 °F to +185 °F)
- UV resistance : 750 h NF-EN-ISO4892-2 method A cycle 1



ELECTRICAL SPECIFICATIONS

- Dry contact
- Contact rating : 50 mA 12 VDC
- White LED-backlit legends : forward current 120 mA / voltage 12 VDC
- 6 LED indicators with independent outputs : forward current 20 mA / voltage 12 VDC
- Output : 16-pin connector MOLEX 34825-0160



MECHANICAL SPECIFICATIONS

- Life : 1 million cycles per key
- Operating force : 7 N ± 2 N
- Travel : 0.7 mm ± 0.2 mm (.027 ± .007)
- Panel thickness : 1.75 mm ± 0.25 mm (.068 ± .009)

The company reserves the right to change specifications without notice.



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MATERIALS

- Keypad : silicone
- Case : PA66

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

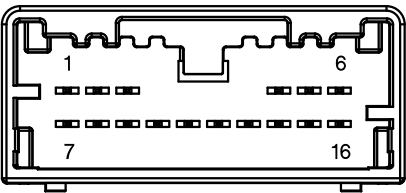


EXTRA FEATURES AVAILABLE ON REQUEST

- Special illumination
- Phantom marking
- Hard caps
- Special key colors
- Extra protective coating
- Full IP65 panel sealing
- IP67
- IP69K
- Back protection



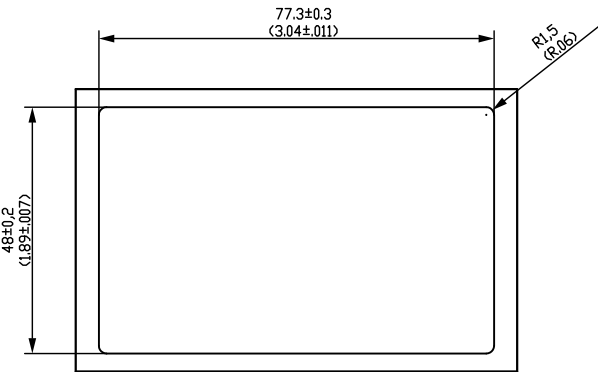
CONNECTIONS



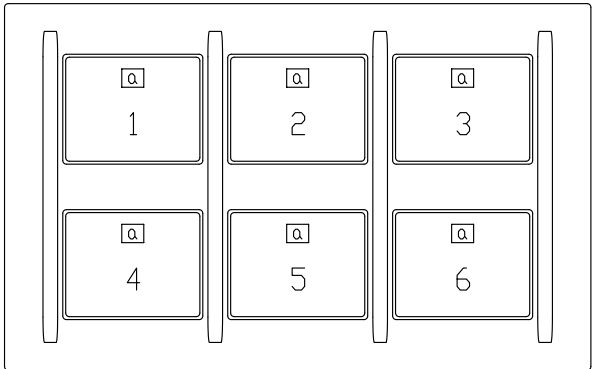
PIN	FUNCTIONS
1	GND_LED2
2	SW2
3	+12V_Backlight
4	+12V_LED
5	GND_LED1
6	SW1
7	GND_LED3
8	SW3
9	GND_SWITCH
10	GND_BACKLIGHT
11	SW6
12	GND_LED6
13	SW5
14	GND_LED5
15	SW4
16	GND_LED4



PANEL CUT-OUT



KEY MATRIX



Symbols to be specified by customer.

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BUILD YOUR PART NUMBER

KP6							
SERIES	KEY STYLE	OUTPUT	SEALING	COMMUNICATION PROTOCOL	ELECTRONIC CONFIGURATION	LEGEND BACKLIGHTING	MARKING ORIENTATION
	E Elastomeric	2 16-pin connector	N Standard	X No	4 Low	X No W White	N North O West

INDICATOR COLOR	KEY 1	KEY 2	KEY 3	KEY 4	KEY 5	KEY 6
X No LED W White B Blue R Red G Green	X No LED 1 LED at center	X No LED 1 LED at center	X No LED 1 LED at center	X No LED 1 LED at center	X No LED 1 LED at center	X No LED 1 LED at center

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DIMENSIONS

