

New!

KP6 series

CANbus keypad with 6 customizable keys

Distinctive features and specifications



- ☐ CANbus version
- ☐ Up to 3 dimmable LED indicators 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 300m/s^2 18ms on 3 axis according to IEC 60068-2-27
- Vibrations : 8 h ; 10-350 Hz - power spectral density from 0,005 to 0,002 G^2/Hz 10-500 Hz - 5 g according to IEC 60068-2-64 and IEC 60068-2-6
- Acceleration : 20m/s^2 10 Hz-2000 Hz according to IEC 60068-2-6
- Salt spray : IEC 68-2-11 test Ka 35°C 96 h
- Operating temperature : -30°C / $+70^\circ\text{C}$
- Storage temperature : -40°C / $+85^\circ\text{C}$
- UV resistance : 750h NF-EN-ISO4892-2 method A cycle 1
- **High CAN option** : compliant with vehicle European Standard for electromagnetic compatibility (ESD/EMC/EMI) - E/ECE/324/Add.9/rev.5 E1 Marking

MATERIALS

- Keypad : silicone
- Case : PA66

EXTRA FEATURES AVAILABLE ON REQUEST

- CANopen
- Special illumination
- Phantom marking
- Hard caps
- Special key colors
- Extra protective coating
- Full IP65 panel sealing

ELECTRICAL SPECIFICATIONS

- CANbus : J1939
- Nominal supply voltage : 12V-24VDC
- Output voltage : 0,5V - 4,5V
- Typical current consumption : 10mA with no LED ON and 200mA with all LEDs ON
- Outputs : TYCO MQS 6 pin connector (ref. 953363-1)
- **High CAN option** :
Operating supply voltage with voltage regulation : 9V-36VDC
Max. overvoltage with voltage regulation : 43VDC

E1 MARKING (PENDING)



For High CAN option

MECHANICAL SPECIFICATIONS

- Life : 1 million cycles per key
- Operating force : $7\text{ N} \pm 2\text{ N}$
- Travel : $0,7\text{ mm} \pm 0,2\text{ mm}$
- Panel thickness : $1,75\text{ mm} \pm 0,25\text{ mm}$

Dimensions : First dimensions are in mm while inches are shown as bracketed numbers.








The company reserves the right to change specifications without notice.









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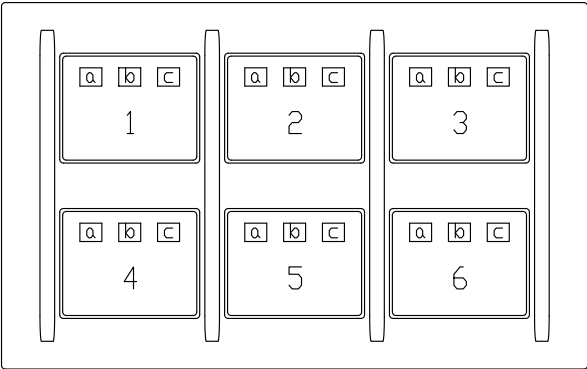
Overview

New!

						
Series	Key style	Output	Sealing	Communication protocol	Electronic configuration	Legend backlighting
KP6 6-key keypad	E Elastomeric	1 6-pin MQS connector	N Standard	J CANbus J1939	1 Basic CAN 3 High CAN	X No W White

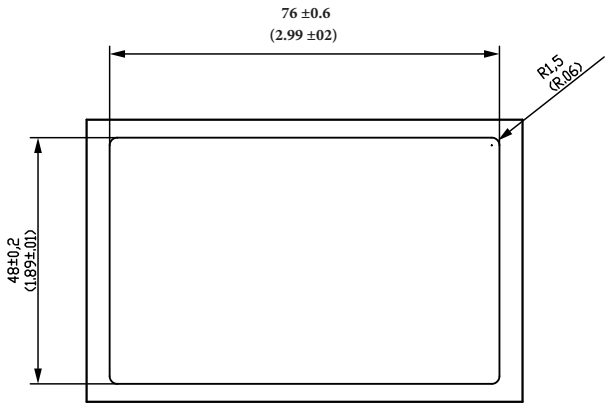
							
Marking orientation	Indicator color	Key 1	Key 2	Key 3	Key 4	Key 5	Key 6
N North O West	X No LED W White B Blue R Red G Green	X No LED 1 LED at center 3 3 LEDs	X No LED 1 LED at center 3 3 LEDs	X No LED 1 LED at center 3 3 LEDs	X No LED 1 LED at center 3 3 LEDs	X No LED 1 LED at center 3 3 LEDs	X No LED 1 LED at center 3 3 LEDs

KEY MATRIX



Symbols to be specified by customer.

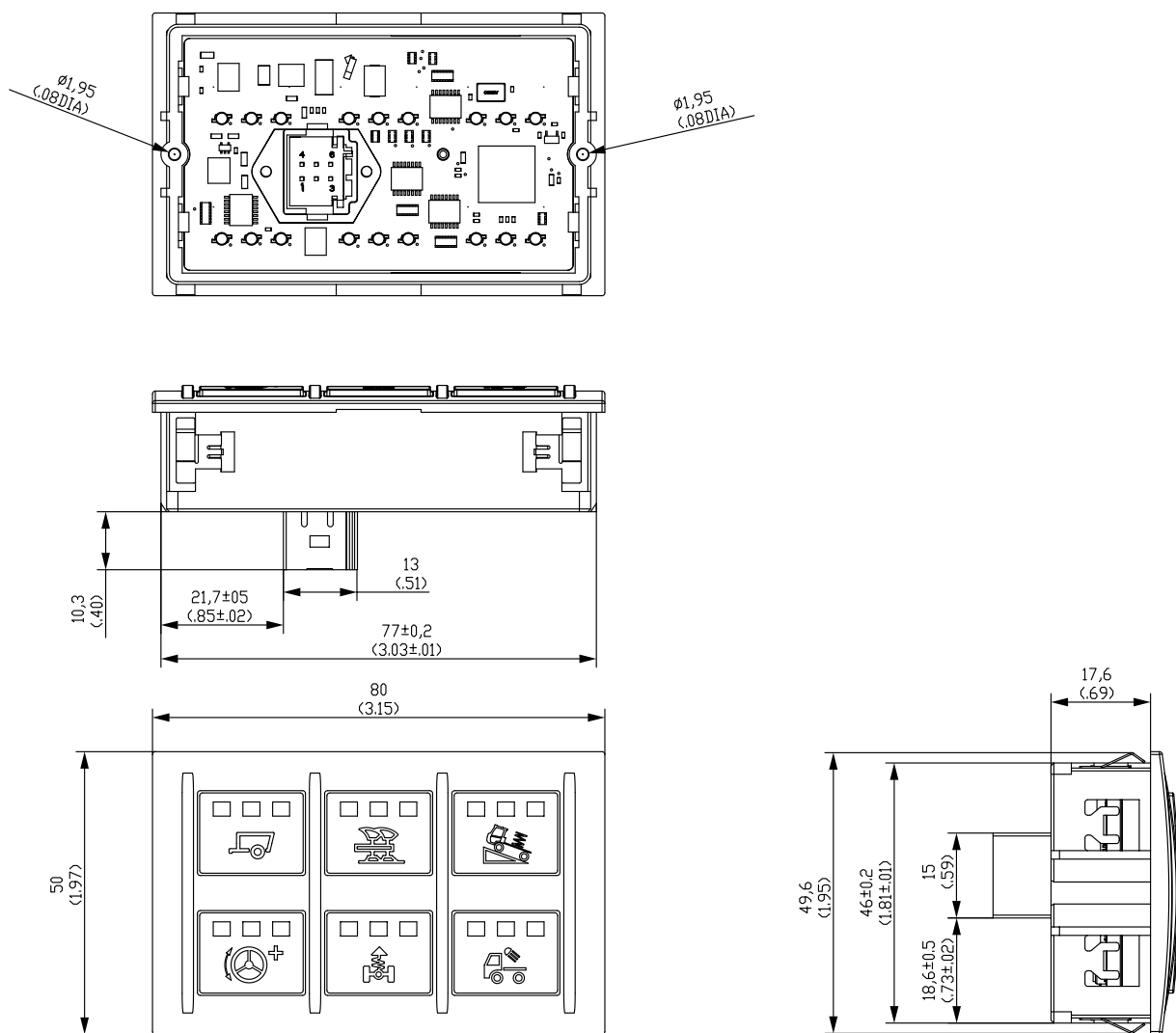
PANEL CUT-OUT



New!

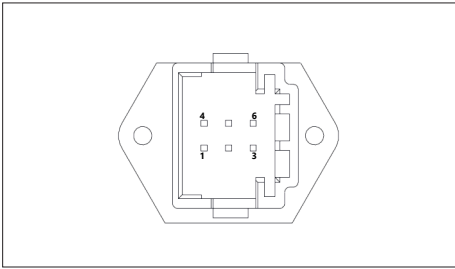
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CONNECTIONS

Pin	Function
1	High CAN
2	Low CAN
3	Ground
4	Ignition On/Switching power
5	Constant power / VBAT
6	Not connected



KP6CAN1612-A-DEF