KONGSBERG
AUTOMOTIVE

ELECTRONIC SYSTEMS

6 SWITCH KEYPAD

AT A GLANCE

- Easy to connect to any CAN based system
- Compatible with J1939, RVC or other CAN protocols
- Switch icons are easily customised to suit specific applications
- Real-time activation/status
- 16 status LED's
- Dimmable backlight LED's for day/night time operation
- Low power sleep mode current drain < 1mA
- Fully sealed to IP67
- Excellent resistance to chemicals

Product Description

The 6 switch keypad is a highly versatile design which is compatible with the full range of Megalink™ multiplex control modules. This allows a complete system or subsystem in wide range CAN based vehicles and applications to be quickly and easily created.

Alternatively the keypad can simply be incorporated into an existing CANbus network. It's generic slave configuration, which is common to many CAN based applications, allows the vehicle application to take full control of the keypad and give each switch its own characteristics.

Up to 16 LED's can be used for displaying the switch status or vehicle diagnostics. The LED's can easily be configured for various diagnostics determined by the application or the user's needs. Additional backlight LED's can be controlled individually and are dimmable to suit day/night operation.

Laser etching of the icons on the silicone membrane provides customisation to suit a specific application quickly and cost effectively. In sleep mode, this unit draws less than 1mA and has a bi-directional wake-up pin used to wake up the system or be woken up by the system.

This compact, fully sealed and ruggedised unit will provide extended service life in the harshest environments.

Contact:

Europe:	Christopher Martin Road, Basildon, Essex SS14 3ES, UK	Tel: + 44(0) 1268 522 861
North America:	300 South Cochran PO Box 588 Willis, TX 77378, USA	Tel: + 1 936 856 2971
Electronics:	90 - 28e Rue Grand-Mère (Québec) G9T 5Z8 Canada	Tel: + 1 819 533 3201

www.kongsbergautomotive.com, info.pps@ka-group.com

ELECTRONIC SYSTEMS

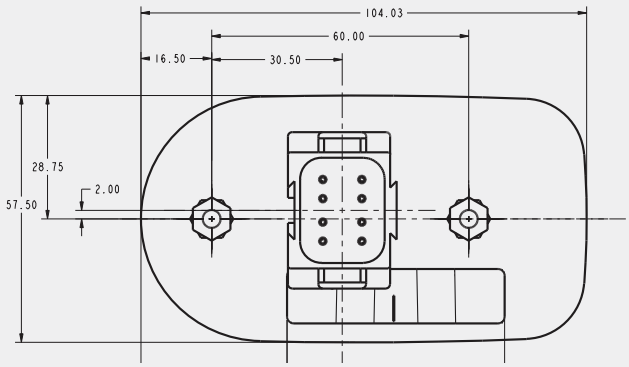
6 SWITCH KEYPAD

Product Specifications

Specification and technical data

• Operating Voltage:	7 to 18V
• Standby Current:	<1mA
• Operating Temperature:	-40°C to 85°C.
• Storage Temperature:	-40°C to 85°C.
• Water resistance:	IP67 (1 meter under water)
• Electrical protection:	• Load Dump (SAE J113-11 100VDC) ESD: SAE J1113 (±8kV, ± 15kV air) • 12V jump start • Reverse polarity
• Diagnostics:	• Application has full access to LED to display various diagnostics • PC diagnostic tool available to test keypads
• Connector:	Integrated 8 pin DT series Deutsch
• Dimensions:	104mm x 58mm x 20mm (4-1/8" x 2-1/4" x 3/4")

Mounting Details

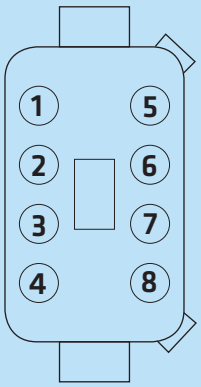


At a glance

- Full 8 bits 8 MHz micro-controller enables the use of most protocols
- Field flashable memory
- CAN network compatible
- Panel mount or flush mount installation
- Horizontal or vertical orientation
- Tested to over 1 million cycles
- Digital Keypad Development Kit (DKDK) available

Electrical Connections

Deutsch DT06-08P 8 pin connector
Requires DT06-08S Mating Part



1. No Connection
2. +12v
3. Ground
4. No Connection
5. No Connection
6. CAN HI
7. CAN LO
8. System Wake Up

MEGALINK™