

# FAMILY OF CAN KEYPADS

The M-Flex CAN keypads are designed for severe duty, outdoor mobile applications and built to withstand the harsh temperatures, shock and vibration, moisture and electrical transients that are common to these environments.



M-Flex Keypads are typically used for construction, agriculture and turf care equipment, utility and power sports vehicles, marine, military, outdoor power equipment and similar harsh environment applications.



## FEATURES

- CE Compliant.
- Designed for severe duty, outdoor mobile applications.
- Designed for 12V and 24V applications.
- Wide operating temperature.
- UV resistant matte black silicone rubber.
- Deutsch DT style connector.
- Icons customized for customer's application.
- Tactile Feel Buttons provide user with actuation feedback.
- Three amber LED indicators lights per button (alternate colors available).
- Dimmable white LED backlight.
- Space Saving & Easy Installation.
- Long Life - over 1 million cycles per switch.
- 250/500-Kbps auto baud detect.
- IP67 protection rated.
- RoHS and CE compliant.
- CAN protocol J1939, CAN Open, NMEA 2000.
- Low power sleep mode – for applications requiring direct-to-battery connection. Wake on press of push button, CAN message or cycling power.

## SPECIFICATIONS

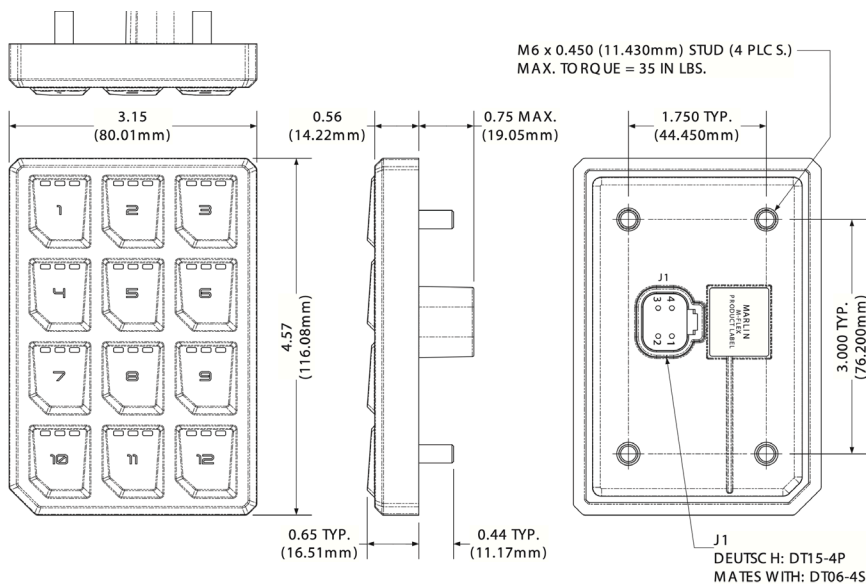
Specifications subject to change without notice. \ Revised 04.23

<b>Supply Voltage</b>	8 - 36VDC operating range, reverse polarity protected
<b>Max Current</b>	650 mA with all LEDs on.
<b>CAN Protocol</b>	SAE J1939 CAN 2.0A and CAN 2.0B compliant, CAN Open, NMEA 2000
<b>Operational Life</b>	Greater than 1,000,000 cycles per switch.
<b>Switch Backlighting</b>	Dimmable white LED legends on switches; Intensity controlled via CAN message.
<b>Indicators</b>	Three amber LED indicators located above each switch.
<b>Actuation</b>	Snap dome contacts operate at 340 grams of force.
<b>Connector</b>	Deutsch DT15-4P equivalent integrated into the back plate.
<b>Mounting</b>	Four M6 x 12mm studs.
<b>Seal Rating</b>	IP67, IP69K (with appropriate connector boots).
<b>CE Compliance</b>	ISO 13766-1 : 2018 EN ISO 14982 : 2009
<b>Operating Temperature</b>	-40° to 85°C (-40° to 185°F).
<b>Storage Temperature</b>	-40° to 85°C (-40° to 185°F).
<b>Baud Rate</b>	Auto detection for 250/500 Kbps.

## CUSTOMIZATION OPTIONS

- Graphic icons.
- LED indicator colors.

## DIMENSIONS



For detailed specifications on all keypads, visit [marlintech.com/m-flex](http://marlintech.com/m-flex)

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