



# PHK - Parker Hannifin Keypads

Catalog PHK\_MSG33



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# Application

PHK is part of a family of general purpose CAN based keypads designed for off road and on road mobile equipment and vehicles. The keypads are designed for rugged outdoor applications and are sealed against moisture ingress. The keypad's buttons can be supplied with optional customized LED colors and button labels. They are also provided with a standard J1939 based protocol for easy integration to CAN bus-based systems.



## Product Features:

The PHK keypads come in three standard offerings, a 6 button, 8 button and 12 button options. They have a rugged mechanical design with no moving parts and are sealed against dust and water ingress.

The PHDK comes pre-loaded with a J1939 based protocol for rapid application development to help reduce development time and costs communication interfaces.

The PHK can be mounted either inside the cab, or outside for easy integration into your machine's HMI design.



## Reliability:

The PHK is ideal for various industrial and off-road vehicle applications, with rugged, long life snap dome switches, back lit button and indicator LEDs above each button.

# General Specifications

## General

PHK6 - 6 Button 2x3

PHK8 - 8 button 2x4

PHK12 - 12 button 4x3

## Temperature range

Operating, ambient: -40 to +85°C

Storage, ambient: -40 to +85°C

Protection IP67 (with connection boots),  
IP69K (front)

## Ordering part numbers

PHK6 1089001ECD

PHK8 1089002ECD

PHK12 1089003ECD

## Power

Voltage supply: 8 - 36 Vdc

Full Current Draw: Approximately 650mA

## Buttons

Standard LED Indicators – Three amber LEDs above each button

Customizable LED colors available on request

Buttons utilize snap dome switches

Switch Life: >1,000,000 cycles

Button Backlight Color: White, dimmable

## Communication

CAN (J1939 Format)

## Connector

Built in Deutsch DT06-4P Series

# Features and Benefits

Feature	Advantage	Benefit
<b>CAN Bus Communication</b>	Engine and controls interface can be on the display	Better machine productivity
<b>Indicator LEDs</b>	Improved operator feedback	Better operator productivity
<b>Outdoor Rated</b>	More robust design Mount anywhere, no cab needed	Lower warranty costs Lower system cost
<b>Snap Dome Switched</b>	Longer keypad life	Lower warranty costs
<b>Pre-programmed J1939 Protocol</b>	Faster development time	Shorten time-to-market
<b>Customizable Button Labels</b>	Broader market reach	Increased global sales
<b>Customizable LED Colors</b>	Broader market reach	Increased global sales



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