

## **PowerPlex<sup>®</sup> keypad series** **Flexible – robust – reliable**



# Technical information

## PowerPlex® keypads

The **PowerPlex**® keypads are universal operating units for your control and visualisation tasks. Matching your wishes and requirements, they offer flexible programmability.

E-T-A **PowerPlex**® is the perfect solution for smart electrical networks with electronic protection on boats and in special vehicles. The overall modular concept of the freely programmable CAN-bus-based control system meets all requirements regarding flexibility and optional extension of the on-board electrical system.

Depending on the complexity of the control jobs, various **PowerPlex**® modules can be used. They control and monitor status functions, operating conditions and command execution of the connected loads, switches and sensors via CAN.

The keypads can easily be integrated into a **PowerPlex**® system. They switch loads and visually indicate their operating conditions. Keypads of the series 200 can additionally show measuring values on a 7-segment display, e.g. the room temperature. The functionality of the

keypads is programmed by means of the **PowerPlex**® configuration software. The colour of the LED background illumination can be selected by means of a sample board. The colours per keypad can be defined in relation to events. Keypads not needed in the beginning can easily be activated later by means of configuration.

Insertion foils allow exchange of key markings. The offish E-T-A standard design blends in with its surroundings. The keypads are mounted from the front and in the installed condition, they feature protection degree IP53.

Their variance makes the E-T-A **PowerPlex**® keypads application-specific operator devices. Functionalities can be revised at any time and be specified in accordance with new conditions.

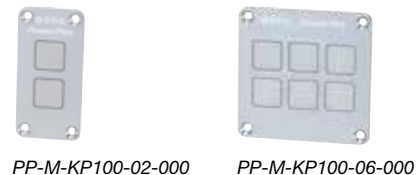
Technical data	
Part numbers	PP-M-KP100-* & PP-M-KP200-*
Rated voltage	DC 12 V/DC 24 V
Operating voltage	9 ... 32 V DC
Closed circuit current capacity	typically 12.5...15 mA at DC 12 V
LED current per key	blue typically 18 mA at DC 24 V, 100 % brightness green typically 5.5 mA at DC 24 V, 100 % brightness red typically 15 mA at DC 24 V, 100 % brightness
Degree of protection	IP53, on the front (installed)
Operating temperature	-20 ... +70°C (-4 ... +158 °F)
Storage temperature	-30 ... +70 °C (-22 ... +158 °F)
Keypad series	series 100 keys series 200 keys and 7-segment display
Approvals	KBA, ECE regulation No. 10 (E1) for DC 12 V/DC 24 V

\*) For further information please see the relevant data sheet.

### Your benefits

- Freely programmable key functions
- Ease of integration into a **PowerPlex**® system
- System feedback via configure of keys
- Keys with dimmable LED background illumination
- Variable marking of keys by means of insertion foils.
- Minimised mounting time through front panel mounting.

PowerPlex® series 100



PowerPlex® series 200



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