

## **PowerPlex<sup>®</sup> Mini Module** **Multifunctional Convenience**



# Technical Information

## PowerPlex® Mini Module

With the **PowerPlex®** Mini Module E-T-A sets another example of future-oriented management of on-board electrical systems. Thanks to its system properties **PowerPlex®** is the perfect solution for smart electrical networks on boats and in special vehicles. The modular concept of the intelligent bus system makes every dream come true regarding flexibility and enhancement of electrical systems.

The **PowerPlex®** Mini Module can be used independently or in combination with other **PowerPlex®** components. Like all

other **PowerPlex®** modules, it controls and monitors status functions, operating status and command execution of the connected loads, switches and sensors. The corresponding monitoring and alerting functions are indicated by **PowerPlex®** control panels and allows preventive action.

As standard, the **PowerPlex®** Mini Module is equipped with eight multifunctional inputs. They can be configured as digital or analogue inputs. Its multifunctionality makes it suitable for battery monitoring as well as for voltage and resistance

measurement, e.g. with level sensors. Its eight module outputs are designed for lower current ratings and are ideally suited for LEDs and illumination of the ambiance. The **PowerPlex®** Mini Module features a compact size and artless design which makes it easy-to-install. The housing is mounted from the front and its downward-facing terminals provide protection class IP22 as a standard.

**Multifunctionality is not a matter of size – just look at the new PowerPlex® Mini Module. Discover PowerPlex® and a world of smart power management, controlling and monitoring.**

### Technical Data

Order number	PP-M-MM300-000-0-Z-00
Rated voltage	DC 12 V/DC 24 V
Operating voltage	9... 32 V DC
Quiescent current	typically 32 mA at DC 12 V typically 16 mA at DC 24 V
Max. total current per module	12 A
Protection class	IP22 when mounted vertically with terminals pointing downwards
Operating temperature	-40...+60 °C (-40...+140 °F)
Storage temperature	-40...+85 °C (-40...+185 °F)
Mass	approx. 95 g
Inputs	8 multifunctional inputs which can be configured as <b>digital inputs:</b> 0...6 kΩ: ON; > 7 kΩ: OFF <b>analogue inputs for</b> <ul style="list-style-type: none"><li>● voltage measurement</li><li>● battery monitoring</li><li>● resistance measurement</li></ul>
Outputs	8 outputs with 1,5 A max. cont. current

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



The **PowerPlex®** Mini Module is the ideal and space-saving supplement to the **PowerPlex®** product group for low currents.

### Benefits

- Compact and light-weight design
- Configurable inputs – direct connection of actuators and sensors (tank, battery, temperature)
- Freely configurable control of electrical loads
- System status control and monitoring
- Electronic overcurrent and short circuit protection
- Visualisation and intuitive operation by means of various **PowerPlex®** control panels
- Combination of modern operating elements and switches

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ENGINEERING TECHNOLOGY

E-T-A Elektrotechnische Apparate GmbH  
Industriestraße 2-8 · 90518 ALTDORF  
GERMANY  
Phone: 09187 10-0 · Fax 09187 10-397  
E-Mail: info@e-t-a.de · www.e-t-a.de