



## Epec 3606 Control Unit

Epec 3606 Control Unit is a new multifunction controller for system distribution and stand-alone applications. This compact controller processor includes 8 PWM outputs and a high performance processor making the product a long-term solution. The robust, leak proof zink/plastic housing has been widely tested against different environmental conditions. Also, the unique shape of the casing works to protect the electronics inside against mechanical wear. Three point fixing confirms firm mounting also on irregular surfaces.

The unit has an optimized number of both input and output pins to be used for numerous roles in the control system. The total number of I/O pins is 21, including digital inputs and outputs, analog inputs, pulse inputs, proportional (PWM) outputs, and current feedback inputs. The totally new design of the robust unit carries plenty of new features such as signal LED for control unit diagnostics. One CAN is equipped with double pins, which makes cabling easier since there is no need for branches in the wire harness. A second CAN is also available as an option.

PRODUCT ORDER CODE FOR 1 X CAN/FB 1 A VERSION **E30B3606-01**  
 PRODUCT ORDER CODE FOR 2 X CAN/FB 1 A VERSION **E30B3606-02**  
 PRODUCT ORDER CODE FOR 1 X CAN/FB 2 A VERSION **E30B3606-31**  
 PRODUCT ORDER CODE FOR 2 X CAN/FB 2 A VERSION **E30B3606-22**



### KEY CHARACTERISTICS:

- 16/32 bit powerful microcontroller
- Flash memory: 1,6 Mbyte
- RAM memory for application variables 112 kbyte
- PLCopen application size up to 768 kbyte
- Temperature range up to +85°C
- Non-volatile memory: 2 kbyte



3606 CONTROL UNIT							
PROCESSOR	16/32 BIT CPU, 100 MHz	APPLICATION SIZE	768 kbyte	RAM FOR APPLICATION VARIABLES	112 kbyte	SIZE	138 X 108 X 44 mm
NOMINAL OPERATING VOLTAGE	12/24 VDC	FULL OPERATING RANGE	8,5 ... 33 VDC	PROGRAMMING	CODESYS 2.3	PROTECTION CLASS	IP67
OVERVOLTAGE PROTECTION	70 VDC	OPERATING TEMPERATURE	-40 ... +85°C	CONNECTORS	1 X AMP35		
I/O INTERFACE, CONFIGURATION EXAMPLE	4x AI/FB	8 x PWM/DO/DI (SOURCING)	4 x AI/DI	5 x DI/PI			
I/O PINS TOTAL	21						
COMMUNICATIONS	1 X CAN	2ND CAN AS AN OPTION					