



Epec 4602 Control Unit

Epec 4602 Control Unit is a new multifunction controller for system distribution and stand-alone applications.

Epec 4602 Control Unit is equipped with the advanced processor technology of Epec 3000 series and is capable of controlling 10 hydraulic blocks simultaneously by using 20 PWM outputs and 10 feedback pins. The control unit can also simultaneously read multiple joysticks and analog signals. These features make it possible to control a whole machine by using only one control unit.

Based on the same housing as Epec 5050 Control Unit, Epec 4602 Control Unit provides a wide range of programmable I/Os for different implementations. As all Epec control units, the 4602 Control Unit was designed to be used in harsh operating environments, to withstand high mechanical shocks and vibration, heat, cold and different chemicals. In addition, the control unit has a high level of electro-magnetic compatibility including a type approval according to the automotive EMC directive. The design of the robust unit also carries plenty of 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. Non-volatile RAM is a perfect solution for fast and continuous saving of information that needs to be retained over long power outages. NVRAM is very easy to use for storing machine parameters or log files.



KEY CHARACTERISTICS:

- 16/32 bit powerful microcontroller
- Flash memory: 1,6 Mbyte
- 8 kbyte Non volatile memory (FRAM) for application parameters (unlimited write cycles)
- RAM memory for application variables 112 kbyte
- PLCopen application size up to 768 kbyte
- Temperature range up to +85°C
- High current sourcing capability (total 30A)
- Competitive pricing per I/O pin
- Two color diagnostic LED for quick status check and fault detection

PRODUCT ORDER CODE **E30B4602-01**



4602 CONTROL UNIT									
PROCESSOR	16/32 BIT CPU, 100 MHz	APPLICATION SIZE	768 kbyte	PROGRAMMING	CODESYS 2.3	SIZE	224,8 X 148,5 X 50 mm	WEIGHT	0,9 kg
NOMINAL OPERATING VOLTAGE	12/24 VDC	FULL OPERATING RANGE	8,5 ... 33 VDC	REF VOLTAGE OUTPUTS (CONTROLLABLE)	5 V				
OVERVOLTAGE PROTECTION	70 VDC	OPERATION TEMPERATURE RANGE	-40 ... +85°C	CONNECTORS	3 X AMP35				
I/O INTERFACE, CONFIGURATION EXAMPLE	10 X AI/FB	20 X PWM/DO/DI (SOURCING)	20 X AI/DI	14 X DI/PI	4 X DI/DO (SINKING)				
I/O PINS TOTAL	68								
COMMUNICATIONS	2 X CAN								
PROTECTION CLASS	IP67								