



Epec 3724 Control Unit

The new Epec 3724 Control Unit is a compact multifunction controller which I/O solution is based on the same proven in use combination as in the Epec 2024 Control Unit. It 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 52, including digital inputs and outputs, analog inputs, pulse inputs, proportional (PWM) outputs, and current feedback inputs. Epec control system products are designed and manufactured according to strict standards of the mobile machinery industry.

Epec 3724 Control Unit provides the benefits of the efficient 16/32-bit microcontroller and the optimal I/O interface that is proven in several applications over the years. This makes the product a real multipurpose controller for distributed control systems.

KEY CHARACTERISTICS:

- 16/32 bit powerful microcontroller
- Flash memory: 1,6 Mbyte
- RAM memory: 1024 kbyte
- Non-volatile memory: 8 kbyte
- PLCopen application size up to 768 kbyte
- Temperature range up to +85°C

PRODUCT ORDER CODE FOR FB 1 A VERSION **E30B3724-01**
(ANALOG INPUTS ARE PULLED UP AND DOWN)

PRODUCT ORDER CODE FOR FB 2 A VERSION **E30B3724-21**
(ANALOG INPUTS ARE PULLED UP AND DOWN)

Epec 3720 Control Unit

A compact and rugged control unit for embedded control systems. The I/O interface of the control unit is specially optimized for hydraulic controlling as it has a vast number of proportional (PWM) outputs to connect hydraulic devices from other manufacturers. To further increase the accuracy of hydraulic control, the control unit has current feedback inputs for feedback signals, e.g. hydraulic valves.

PRODUCT ORDER CODE **E30B3720-01**



3724 CONTROL UNIT, 3720 CONTROL UNIT										
PROCESSOR	16/32 BIT CPU, 100 MHz		APPLICATION SIZE	768 kbyte	PROGRAMMING	CODESYS 2.3	PROTECTION CLASS	IP67	SIZE	147 X 113 X 46 mm
WEIGHT	0,7 kg	NOMINAL OPERATING VOLTAGE	12/24 VDC	FULL OPERATING RANGE	8,5 ... 33 VDC					
OVERVOLTAGE PROTECTION	70 VDC	OPERATING TEMPERATURE	-40 ... +85°C		CONNECTORS	3 x AMP23	1 x AMP8			
I/O INTERFACE, CONFIGURATION EXAMPLE	3724	4 x DI	4 x AI/FB	24 x PWM/DO/DI (SOURCING)		8 x AI/DI	4 x DI/DO (SINKING)		8 x DI/PI	
I/O INTERFACE, CONFIGURATION EXAMPLE	3720	1 x DI	2 x 10x AI/FB	24 x PWM/DO/DI (SOURCING)		6 x AI/DI	8 x DI/PI			
I/O PINS TOTAL	3724	52	3720	59						
COMMUNICATIONS	2 x CAN									