



## Epec 2038 Control Unit

Epec 2038 Control Unit is the smallest control unit with 20 I/O pins for embedded control systems. The control unit is used independently in smaller machines or with other control units in larger systems. With the help of the Epec 2038 Control Unit it is possible to even further deepen the distribution of intelligence around the machine by locating the control unit next to connectable sensors, actuators, and other devices spread around the machine.

There are two variations of this control unit. One variation of this control unit has two CAN bus interfaces. The other variation has CAN bus and RS232 serial interfaces.



PRODUCT ORDER CODE FOR CAN+RS232 VERSION **E30B2038-10**

PRODUCT ORDER CODE FOR CAN+CAN VERSION **E30B2038-20**

CONTROL UNIT 2038											
PROCESSOR	C167 40MHZ		APPLICATION SIZE		256 kbyte	PROGRAMMING		CODESYS 2.3			
PROTECTION CLASS	IP67	SIZE	147 X 63 X 53 mm		WEIGHT	0,5 kg					
NOMINAL OPERATING VOLTAGE		12/24 VDC	FULL OPERATING RANGE			9 ... 30 VDC		OVERVOLTAGE PROTECTION	34 VDC		
OPERATING TEMPERATURE		-40 ... +70°C		CONNECTORS	1 X AMP23	1 X AMP8					
I/O INTERFACE, CONFIGURATION EXAMPLE			4 X DI/PI		3 X AI/FB/DI		2 X PWM/DO/DI (SOURCING)		6 X AI/DI	1 X DI/DO (SINKING)	4 X DI/DO/PWM/PI (SOURCING)
I/O PINS TOTAL		20	COMMUNICATIONS		2 X CAN OR 1 X CAN + 1 X RS232						



SAE J1939

ISOBUS

e17

100G



CE

## ACCESSORIES

### SHOCK COVER FOR EPEC CONTROL UNITS

All Epec control units are designed to endure very difficult environmental conditions. When the control unit is mounted in such a place where it might get impacts from dropping items, someone stepping on it, or where it is exposed to possible water spray, a special shock cover is used to protect connectors and wire attachment points. The shock cover is mounted on the control unit by using two special M6 bolts. The cover does not increase IP classification, etc. of the product, but prevents any direct hits on connectors. A special wire bracket is typically mounted under the control unit. Bolts are tightened to attach the bracket and the control unit to their places and the shock cover is mounted on top of them for extra protection.



PRODUCT ORDER CODE FOR SHOCK COVER **E30C02192**  
(Including wire mounting bracket and mounting bolts)