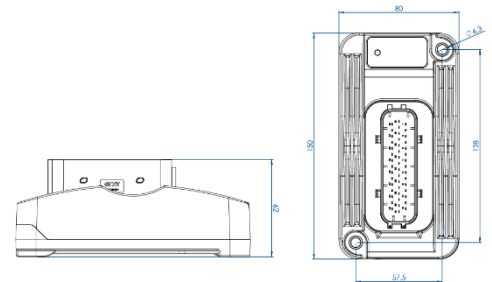# EPEC EC44 CONTROL UNIT

Epec EC44 has a powerful 32-bit processor and large internal memory for application and parameters. EC44 has 16 inputs and 16 outputs with high-side current measurement, two CAN buses and a status LED. EC44 is based on CODESYS3.5 programming and supports Epec PLC libraries, Epec MultiTool and CANmoon tools. EC44 Control Unit has a robust full aluminum housing with IP69 protection and a lever locking connector designed especially for high vibration environments.

TECHNICAL FEATURES

Processor: 32 bit CPU
Applicatio SRAM: 1 Mbyte
RAM: 138 kbyte
PLCopen application size: up to 1024 kbyte
CAN: 2
I/O: 32 (16 inputs + 16 outputs)
IP class: IP69
Temperature range: -40 ... + 85 °C -40 ... +185 °F
Connectors: 1 x LEAVYSEAL 46 pins
CODESYS version: 3.5
Supported CAN protocols: CANopen, SAEJ1939
RGB diagnostic LED for quick status check and fault detection

APPROVALS

Symbol / Name	Explanation
CE	This product complies with the requirements set in the CE Standard.
E17	This product is certified with normal automotive (E17) EMC (electromagnetic compatibility) standards.
RoHS2	This product complies with the RoHS directive (The Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment).

VARIANTS & MANUALS

Ordering code	E30DEC44-022	E30DEC44-020
Technical Manual ID	MAN000715	MAN000713
CAN	2	2
5 V / 10 V REF	1	1
PWM / DO / CM	12	16
PWM / DO	4	-
AI / DI	10	10
AI / DI / PI	6	6
CODESYS version	3.5 SP13	3.5 SP13
Coating	Non-painted	Painted

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