EPEC GL84 SLAVE UNIT

Epec GL84 Slave Unit is the best slave product for centralized control system architecture where one master/central unit controls multiple slaves. GL84 has a whopping 27 GND pins for sensors and actuators and CAN1 is also routed to M12 connectors for easy wiring. GL84 Slave Unit's cycle time is extremely fast – it feels like the I/O is actually connected to the master/central unit.
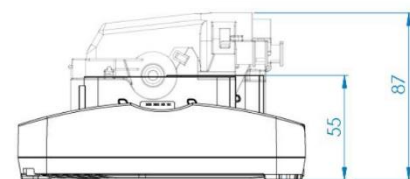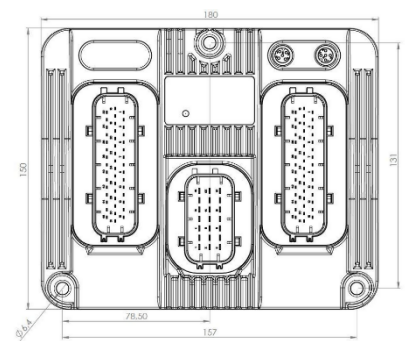
The unit has a new generation housing and connector solution that enables plenty of I/O in a compact housing. The sleek shaped casing works to protect the electronics against mechanical wear. The leak-proof aluminum housing has also been widely tested against different environmental conditions, the housing is even protected against high-pressure washing (IP69).

The unit is equipped with a signal LED for diagnostics. The unit's LEAVYSEAL connectors have integrated strain relief and lever locking that are designed for high vibration environments. Single Wire Seal (SWS) system also ensures safe and robust sealing for wires.

TECHNICAL FEATURES

Processor: 32 bit CPU
CAN: 2
I/O: 69 (35 inputs + 34 outputs)
REF pins (5 V): 4
GND pins: 27
5 A POWER_DO outputs
Total current up to 60 A
Three power supply groups – Safety cut-off feature in a group of 10 PWM/DO outputs
IP class: IP69
Temperature range: -40 ... + 85 °C -40 ... +185 °F
Connectors: 2 x LEAVYSEAL 46 pin 1 x LEAVYSEAL 21 pin 2 x M12 5 pin
Programming: User programming not possible Device configuring and controlling via Object Dictionary
Supported CAN protocols: CANopen
Three-colored 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	E30B3606-21
Technical Manual ID	MAN000685
CAN	2
5 V REF	3
PWM / DO	20
DO 5 A	4
DO 3 A	8
DO (GND) 3 A	2
AI / DI	15
PI/DI	10
PI/DI (threshold 2,6 V)	10

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