



CANarmatur

The CANarmatur provides the machine or unit operator with the option to communicate with the engine management system of the electronically-controlled engine. The CANarmatur receives the engine data and displays them on the integrated LC display.

APPLICATION

Construction machinery

Communal vehicles

Agricultural machines

Plant engineering

Maritime applications

Special machines

Settings may be individually configured for very diverse applications and different engine variants. For all engines and special machines with CANbus (SAE J1939).

Transflective, backlit B/W with automatic contrast adjustment

CANarmatur provides perfect legibility even under poor lighting. Full graphic display, e.g. for standard-compliant DPF symbols

UV-resistant, rugged PA6 housing. Secure installation with retainer or screw-fastening, 3 x M6

Fast installation or conversion. Dependable functioning even in harsh environments.

Integrated ignition switch

Ensures quick integration into machines and enables use in compact installation situations.

Communication via CAN bus with existing network

Integration of conventional engines in existing CAN bus networks and applications.

Flexibility and control for your electronic systems

Adjustment of all working parameters at the device
Speed adjustment via CAN bus supported
Display of engine operation parameters
Warning LED or alarm system signals critical engine parameters
DPF-support for Deutz EMR4/5, Hatz TICD, Kubota, Yanmar

Password-protected menu settings

Access to relevant functions restricted to authorised personnel.

CANarmatur

TECHNICAL DATA

Art. Nr. ehb5160G

Electrical data

Voltage range	8 – 32V (typ. 12 – 24V)
Interference	50 mA typical (in UB 8 – 24V)
Voltage peaks	200V (2ms on UB)
Power consumption	14 V: Typ. 145mA 28 V: Typ. 100mA
Fusing	All outputs are short circuit-proof
Operating temperature	-20°C bis +70°C
Storage temperature	-30°C bis +80°C

Inputs	PIN 02: AUX3/term. W (0-10kHz), alarm switch, speed measurement, to working RPM	
	PIN 04: OP2, <1/4 UB, alarm switch, minus RPM, to minimal RPM	
	PIN 06: OP3, <1/4 UB, alarm switch, to working RPM	
	PIN 07: AUX1, <2,5V 0-1k Ohm, alarm switch, plus RPM, to maximal RPM, diesel level measuring	
	PIN 09: AUX2, <2,5V 0-1k Ohm, alarm switch, minus RPM, to minimal RPM, pressure measuring	
	PIN 11: OP4, <1/4 UB, alarm switch	
	PIN 13: OP1, <1/4 UB, alarm switch, plus RPM, to maximal RPM	
	Outputs	PIN 10: Output OP1, 2A, alarm from input OP1, alarm from input OP2, alarm from input OP3, alarm from input OP4
		PIN 12: Output OP2, 2A, OP2 inversion of output OP1
		PIN 15: AUX 2, 2A, switch and insufficient diesel level
PIN 16: Output AUX 1, 2A, switch and insufficient pressure		
PIN 18: Output term. 15		

CAN bus interface	PIN 01/PIN 03: CAN 2.0B, 250k bit, SAE J1939 / EEC1, ET1, EFL/P1, VEP1, AMB, DM1 fault alarms / auto start, speed adjustment
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Operating hours counter	Integrated
Daily operating hours counter	Integrated

Visualisation

Display type	132 x 28 Pixel Dot-matrix LCD black/white, transfective
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Resolution	132 x 28 Pixel
Brightness	>1000 cd/m ²
contrast ratio (CR)	8,24
Background lighting	LED, white

Mechanical data

Housing dimensions (L x W)	72 x 72 mm
Installation dimensions (W x H x D)	66 x 66 x 130 mm
Installation cut-out (W x H)	66 x 66 mm
Housing material	PA 6 30 GB, black, UV-stabilised
Weight	340 g
Installation	Retainer or screw-fastening 3 x M6
Degree of protection	Front IP65 / IP67 Rear IP67 Housing IP67 Terminals IP67
Connection	Deutsch plug typ HDP24-24-19PE

Test standard

Humidity	DIN EN 60068-2-3
Vibration	DIN EN 60068-2-6
Impact	DIN EN 60068-2-27
CE marking	according to Directive 2014/30/EU

Accessories

Connection cable, 19-pole, 3m	ehb2209-1
Deutsch plug set	ehb1469
CAN dongle with ehbTools PC software	ehb5365
Starter kit, CAN dongle, ehbTools, connecting cable, power supply unit	ehb5378

