ehb electronics gmbh
smart industrial electronics

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.

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

APPLICATION

- Construction machinery
- Communal vehicles
- Agricultural machines
- Plant engineering
- Maritime applications
- Special machines

Transflective, backlit B/W with automatic contrast adjustment
CANarmatur provides perfect legibility even under poor lighting.

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.

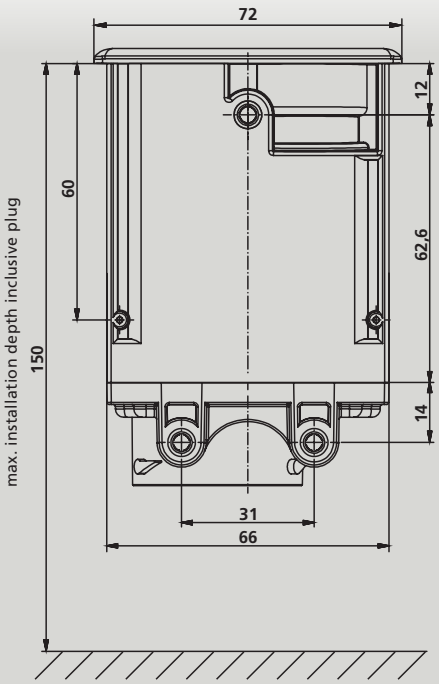
Communication via CAN bus with existing network
Integration of conventional engines in existing CAN bus networks and applications.

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

Password-protected menu settings
Access to relevant functions restricted to authorised personnel.

CANarmatur
TECHNICAL DATA

Art. Nr. ehb5160F



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 I 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	
Operating hours counter		Integrated
Daily operating hours counter		Integrated
Visualisation		
Display type		Dot matrix LCD display, transflective
		Dark-blue representation on grey background
Resolution		16 x 2 characters, 5 x 8 dots per character
Brightness		>1000 cd/m²
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 side IP65 / IP67 I Rear IP67
		Housing IP67 I 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

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