













HMCflex

The HMCflex unit offers a multitude of functions for the control and monitoring of conventional but also electronically-controlled diesel engines. You can individually configure the settings for very diverse applications and different engine variants.

APPLICATIONS

Wood chippers

Crushers

Conveyor technology

Special-purpose vehicles and machines

Transflective, backlit B/W display with automatic contrast adjustment HMCflex ensures perfect legibility even under poor lighting conditions.

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

Fast installation and retrofit. Dependable functioning even in harsh environments.

Communication via CAN bus with the network

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

Variable settings anable a versatile use

Chipper automatic parametrisable
Configurable feed and return stroke functionally
Manuell control of feed an return stroke

Pin assignments of the outputs are freely parametrisable. Up to 5 high-current outputs.

Flexible utilisation of the HMCflex functionalities, tailored to the customer application. Output parametrisation with the display menu or the convenient ehbTools software. No programming required.

Pre-heat, by-glow and after-glow function, time- or temperature-controlled Reliable starting process, even at very low temperatures. Less environmental impact and smoke generation.

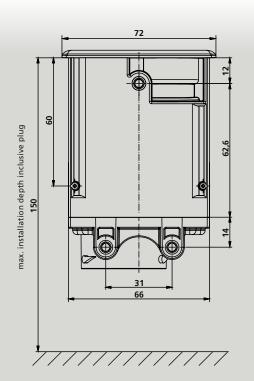
Total operating hours counter and resettable daily operating hours counter Reliable information about engine running times and required servicing. Transparent summary of operating times.

Password-protected menu settings and automatic logging of the last 20 faults Access to relevant functions restricted to authorised personnel. Reliable reproduction of faults occurred.









	TECHNICA	FECHNICAL DATA		
	Electrical data			
	Voltage range		6 – 32V (typ. 12 – 24V)	
	Power consur		50 mA typical (bei UB 8 – 24V)	
	Fuse		All outputs are short circuit-proof	
	Operating ten	nperature	-20°C bis +70°C	
	Storage temperature		-30°C bis +80°C	
	Inputs	PIN 01: Oil pressure as NC) / NC, programmable, switching or analogue sensor	
		PIN 02: Generator monito	ring, terminal D+	
		PIN 03: Temperature as No	O / NC, programmable, switching or analogue sensor	
	PIN 04: Various, NO / NC			
		PIN 07: Auto start, NO / N	IC	
		PIN 09: External stop, NO	/ NC	
		PIN 13: Speed monitoring	, terminal W, Sensor or magnetic pick-up	
	Outputs	All outputs are short circuit	it-proof	
		PIN 02: Generator excitati		
	PIN 06: Freely parametrisa			
		PIN 08: Freely parametrisa		
		PIN 10: Freely parametrisa		
	PIN 11: Freely parametrisa PIN 12: Freely parametrisa			
		PIN 15: Freely parametrisa		
	CAN bus into	PIN 18: Freely parametrisa		
	CAN bus inte	riace	PIN 17/19: CAN2.OB, 250kBit, SAE J1939 / EEC1, ET1, EFL/P1, VEP1, AMB, DM1 fault messages / auto start,	
			speed adjustment, optionally adaptable	
	Operating hou	urs counter	Integrated	
			Integrated	
	Visualisation		megratea	
	Display Typ		Dot matrix LCD display, transflective	
	1 3 31		Dark-blue representation on grey background	
	Resolution		16x2 characters, 5x8 dots per character	
	Brightness		>1000 cd/m ²	
	contrast ratio	(CR)	8,24	
	Background li	ighting	LED, white	
	Mechanical of	data		
	Housing dime	ensions (L x W)	72 x 72 mm	
		mensions (W x H x D)	66 x 66 x 130 mm	
	Installation cu		66 x 66 mm	
	Housing mate	erial	PA 6 30 GB, black, UV-stabilised	
	Weight		340 g	
	Installation		Retainer or screw-fastening 3 x M6	
			Front side IP65 / IP67 Back side IP67	
			Housing IP67 Clamps IP67	
	Connection	.1	Deutsch plug typ HDP24-24-19PE	
	Test standard Humidity	a	DIN EN 60068-2-3	
	Vibration		DIN EN 60068-2-6	
			DIN EN 60068-2-27	
			according to Directive 2014/30/EU	
	Accessories		according to Directive 2014/30/10	
	Connection cable, 19-pole, 3m		ehb2268	
	Deutsch plug		ehb1469	
		with ehbTools PC software		
	Starter kit, CAN dongle, ehbTools,			
		able, power supply unit	ehb5378	



