



ehb SMARTmodul 04 flex

The ehb SMARTmodul 04flex delivers a multitude of functions for monitoring and controlling applications via CAN bus (SAE J1939).

APPLICATIONS

Construction machinery

Communal vehicles

Agricultural machines

Plant engineering

Maritime applications

Analogue, digital and CAN bus signals are reliably interconnected and evaluated

Simple networking of a multitude of sensors, actuators and units.

Inputs and outputs can be controlled via CAN bus

Control tasks are easily achieved via the connected HMI without programming efforts at the controller.

Individually programmable via CAN

The inputs and outputs can be configured via CAN messages.

UV-resistant, rugged PA6 housing for screwed installation.

Connection via standard plug connectors.

Fast installation and retrofit. Dependable functioning in industrial environments.

No direct access to the sensors installed at the motor

The engine warranty is not affected.

Flexible features

The specific requirement can be programmed flexibly.

- Digital input (pull-up / pull-down)
- Frequency measurement up to 3kHz
- Analog input (0 – 5V / 0 – 10V / 0 – 20 mA)
- Digital output (2A)
- Temperature validation via Pt100

ehb SMARTmodul 04 flex

Art.-Nr. ehb5003-24
Art.-Nr. ehb5003-25

TECHNICAL DATA

Electrical data

Voltage range	8 – 32V (typ. 12 – 28V)
Power consumption	33 – 60mA (12 – 28V)
Operating temperature	-30°C bis +85°C
Storage temperature	-40°C bis +90°C

Pin assignment

PIN	
3	Digital input frequency measurement / pulse counting
7	Digital input frequency measurement / pulse counting
2	Digital input, analog input 5V / 0 – 10V / 0 – 20mA
6	Digital input (switch to ground), digital output 2A, temperature Pt100
5	CAN High
1	CAN Low
8	Cl. 15
4	Cl. 31

CAN bus interface CAN 2.0B, 250kBit/s, SAE J1939

Mechanical data

Installed dimensions	
(W x H x D)	61 x 60 x 35.4mm
	95.5 x 71 x 35.4mm (including mounting brackets and plug)
Housing material	PA 6.6
Weight	98 g
Installation	2 screws with mounting brackets
Degree of protection:	IP 53
Connection	AMP/Tyco positive lock 8-pole

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

