

CAN Module EM-H4

4 Hall Speed sensors

The extended module EM-H4 acquires the signal periods of up to 4 Hall-effect speed sensors and transmits them as 16-bit values to a CAN-Interface (CAN2.0 B) in a single CAN-message.

The module is delivered with an adapter between housing and connector.



Application

Operating Temperature Range -20 ... 85 °C

Mechanical Data

Max. Vibration *Vibration Profile 1*
(see Appendix or www.bosch-motorsport.com)

Size 85.4 x 32.3 x 17.1 mm

Electrical Data

Power Supply 8 V ... 18 V

Supply Current max. 70 mA

Input 10 ... 10,000 impulses/s

Communication/Configuration Interface

CAN2.0 B, using interface MSA-Box II and RaceCon

Programmable CAN-ID

CAN speed 1 Mbaud

Update rate 10 ms

Loom Side Connector

AS-6-10-35SN-HE

CAN Protocol

Byte order

Big endian (high-byte/low-byte, Motorola)

Byte	0	1	2	3	4	5	6	7
Value	Front left	Front right	Rear left	Rear right				

Signal period [ms] = 3.2 μs * raw value / 1,000

Application Hint

Please ask for compatibility of this CAN Module with your ECU.

Connector AS-0-10-35PN-HE

Pin-No.	Function
1	UBATT
2	GND
3	N/C
4	CAN-Hi
5	CAN-LO
6	Front left
7	Front right
8	Rear left
9	Rear right
10	GND
11	SHIELD
12	N/C
13	N/C

Part Number

CAN Module EM-H4 **F 01T A20 008-01**