

www.bosch-motorsport.com





 Suitable for front-wheel, rear-wheel and four-wheel drive vehicles

The ABS M4 is developed for the operation in front-, rear- or 4-wheel drive vehicles. A vehicle specific wiring harness is included in the Kit.

The ABS M4 is specifically adapted for motorsport use. Individual car parameters like e.g. vehicle weight, vehicle track, wheel weights, wheel circumferences, wheel base or number of increments can be calibrated with software free of charge. Please contact your Bosch Motorsport dealer for further information.

Technical Specifications

Variations

ABS M4 Kit 1	ABS M4 Kit 2
Customer specific wiring harness with motorsport connectors, wheel speed sensors with pro- duction-type connectors	Customer specific wiring harness with motorsport connectors, wheel speed sensors with motor- sport connectors

Mechanical Data

Hydraulic unit with attached ECU

Serial housing, dust- and dampproof

Vibration damped circuit board

38 pin connector

2 hydraulic valves per wheel	
2 brake circuits (front and rear)	
2 hydraulic high pressures pumps	
2 hydraulic accumulators 3 cm ³ /ea	ich
Standard fittings	2 x master cylinders M12 x 1 4 x brake cylinders M10 x 1
Size	125 x 80.3 x 129.6 mm
Weight	about 1,850 g
Operating temperature	-30 to 130°C
Max. shock	50 g less than 6 ms
Electrical Data	
Supply voltage	8 to 16 V, max. 26 V for 5 min
Max. peak voltage	35 V for 200 ms
Power consumption	8 W stand-by, 230 W in operation
Inputs	
4 active wheel speed DF11	
Brake pressure (front brake circuit)
Longitudinal acceleration, lateral a	cceleration, yaw rate

9 adjustment settings applicable for OEMs (I	Pos. 1 to 9))

2 adjustment settings applicable for Teams (Pos. 10 and 11)

ABS function can be deactivated (Pos. 12)

Brake light switch

Outputs

ABS warning light (MIL)

Communication

CAN interface

Content of Kit and Weights

Hydraulic unit with attached ECU	About 1,850 g
Pressure sensor	About 40 g
Yaw/acceleration sensor	About 60 g
12 position function switch	About 50 g
4 wheel speed sensors DF11 standard	About 50 g/each
ABS warning light (MIL)	About 50 g
Vehicle specific wiring harness with motorsport connectors	Depends on version

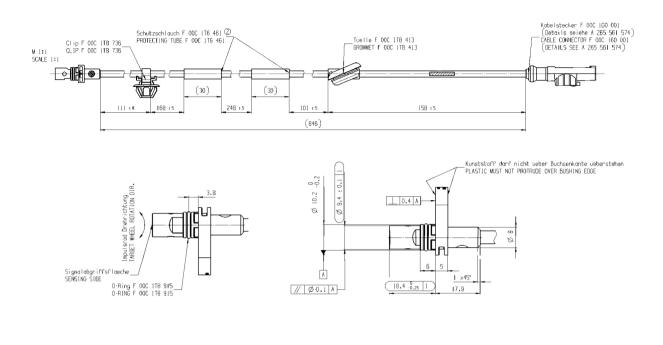
Mounting and vibration-damping boards	About 80 g
Mounting board for hydraulic unit	About 210 g
Optional Accessories	
Data logger C 70	F 02U V02 302-01
Display DDU 9	F 02U V02 300-02
Communication interface MSA Box II	F 02U V00 327-02
Wheel speed signal splitters:	
Quad with 2 motorsport connec- tors	F 02U V00 203-03
Quad with 1 motorsport connec- tor	F 02U V00 335-03
Porsche 991 with 1 motorsport connector	F 02U V01 928-01
Ordering Information	

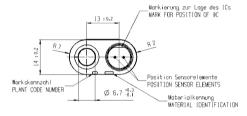
ABS M4 Kit 1 Order number F 02U V00 289-01

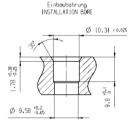
ABS M4 Kit 2

Order number F 02U V00 290-01

Dimensions







Moterial/MATER[AL

Gehoeuse: Polyamid woermestabilisiert HOUSING: POLYAMIDE HEAT STABILIZED

Leitung: Mantelleitung zweiodrig Aussen Ø : 5.000.3; Mantelisolierung: Polyurethan-Iostoner 95: 5 Shore A. CABLE: MOLDED CABLE COVER MOLDED CABLE, 0: 5.000.3 COVER INSULATION: POLY-URETHANE ELASTOWER 95: 5 SHORE A.

Buchse: Stahl BUSHING: STEEL

Wheel Speed Sensor

Represented by:

Europe: Bosch Engineering GmbH Motorsport Robert-Bosch-Allee 1 74232 Abstatt Germany Tel.: +49 7062 911 9101 Fax: +49 7062 911 79104 motorsport@bosch.com www.bosch-motorsport.de

North America: Bosch Engineering North America Motorsport Sa000 Hills Tech Drive Farmington Hills, MI 48331-3417 United States of America Tel: +1 248 876 2977 Fax: +1 248 876 7373 motorsport@bosch.com www.bosch-motorsport.com Latin America: Robert Bosch Ltda Motorsport Av Juscelino Kubitscheck de Oliveira 11800 Zip code 81460-900 Curitiba - Parana Brasilia Tel.: +55 41 3341 2057 Fax: +55 41 3341 2779 Asia-Pacific: Bosch Engineering Japan K.K. Motorsport 18F Queen's Tower C, 2-3-5 Minato Mirai Nishi-ku, Yokohama-shi Kanagawa 220-6218 Japan Tel.: +81 45 650 5610 Fax: +81 45 650 5611 www.bosch-motorsport.jp

Australia, New Zealand and South Africa: Robert Bosch Pty. Ltd Motorsport 1555 Centre Road Clayton, Victoria, 3168 Australia Tel: +61 (3) 9541 3901 motor.sport@au.bosch.com

@ Bosch Engineering GmbH 2018 | Data subject to change without notice 2783355147 | en, V2, 30. Jan 2018