

ABS M4 Kit Clubsport

www.bosch-motorsport.com



- ▶ Suitable for front-wheel, rear-wheel and four-wheel drive vehicles
- ▶ Generic wiring harness to fit all engine bay and front foot well locations for the hydraulic module
- ▶ Same ABS hardware as standard ABS M4 Kit

The ABS M4 kit is developed for the operation in front-, rear- or 4-wheel drive vehicles. A generic wiring harness is included in the kit. This enables us to provide the kit with a significantly reduced price in comparison to the standard ABS M4 kit with individual loom.

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

Mechanical Data

Hydraulic unit with attached ECU

Vibration damped circuit board
38 pin connector
2 hydraulic valves per wheel
2 brake circuits (front and rear)
2 hydraulic accumulators 3 cm ³ /each

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	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 acceleration
Yaw rate

Brake light switch

12 position function switch:

- 9 maps preconfigured
- 2 maps programmable
- 1 switch position for ABS function OFF

Outputs

ABS warning light (MIL)

Wheel speed on CAN etc.: see manual

Optional Accessories

Communication interface MSA Box II	F 02U V00 327-03
------------------------------------	------------------

Quad wheel speed signal splitter, 2 motorsport connectors	F 02U V00 203-03
---	------------------

Data logger C 70	F 02U V02 302-01
------------------	------------------

Display DDU 9	F 02U V02 300-02
---------------	------------------

Communication

CAN interface via MSA Box II

Content of Kit

Hydraulic unit with attached ECU

Pressure sensor

Yaw/acceleration sensor

12 position function switch

4 wheel speed sensors DF11S (partly, see Ordering Information)

ABS warning light

Generic wiring harness

Vibrations damping boards

Ordering Information

ABS M4 Kit Clubsport

1 MBaud, DF11S (recommended)

Order number **F 02U V01 289-49**

ABS M4 Kit Clubsport

500 kBaud, DF11S

Order number **F 02U V01 289-48**

ABS M4 Kit Clubsport

1 MBaud, for DF11i (wheel speed sensors not included)

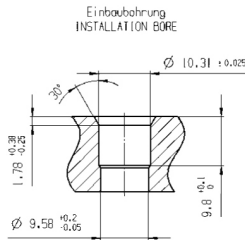
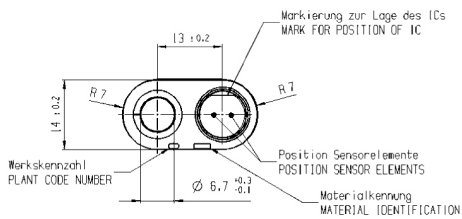
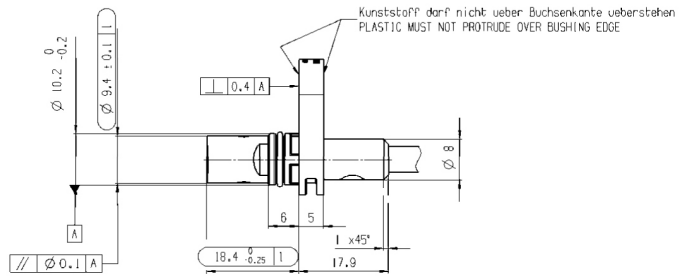
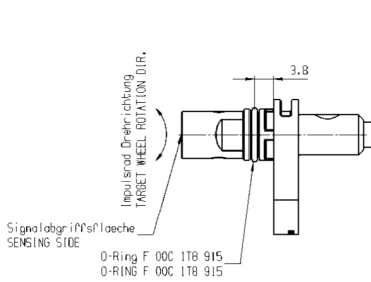
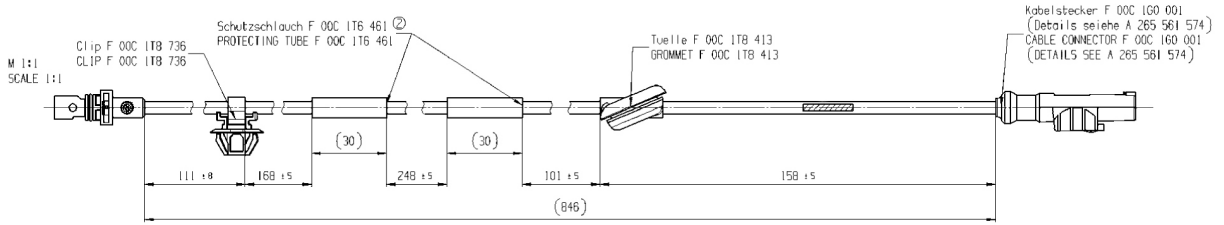
Order number **F 02U V00 543-13**

ABS M4 Kit Clubsport

500 kBaud, for DF11i (wheel speed sensors not included)

Order number **F 02U V00 543-12**

Dimensions



Material/MATERIAL

Gehäuse: Polyamid waerme-
stabilisiert
HOUSING: POLYAMIDE HEAT
STABILIZED

Leitung: Mantelleitung zweiadrig
Aussen ∅ : 5,0±0,3
Mantelisolierung: Polyurethan-
Elastomer 95: 5 Shore A.
CABLE: MOLDED CABLE COVER
TWO CORES, D_c : 5,0±0,3
COVER INSULATION: POLY-
URETHANE ELASTOMER 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
38000 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 Kubitschek de
Oliveira 11800
Zip code 81460-900
Curitiba - Parana
Brasil
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