

ABS M5 Kit

www.bosch-motorsport.com



- ▶ Suitable for front-wheel, rear-wheel and four-wheel drive vehicles
- ▶ Vehicle specific wiring harness included

We developed ABS M5 for the operation in front-, rear- or 4-wheel drive vehicles. A vehicle specific wiring harness is included in the Kit.

The ABS M5 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

Option	Club-sport	Kit 1	Kit 2
F 02U V05	291-01 292-01 293-01 294-01	289-01	290-01
Customized wiring loom	-	+	+
ABS-Off position optional on position 1	-	+	+
Selection of ABS maps via Bosch 12-position switch or via specified CAN signal	+	+	+
Motorsport connectors for wheel speed sensors	-	-	+
Flexible CAN terminals	+	+	+

Option	Club-sport	Kit 1	Kit 2
Downforce depending slip regulation	-	+	+
Lateral acceleration slip regulation	-	+	+
Corner inside wheel slip reduction regulation	-	+	+

+*: fixed Kit Content

+**: Adjustable via Coding Plug

Mechanical Data

Hydraulic unit

Serial housing, dust- and damp-proof

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 5 cm³/each

Standard fittings
2 x master cylinders M12 x 1
4 x brake cylinders M10 x 1

Size
122 x 110 x 122 mm

Weight	1,910 g
Operating temperature	-30 to 130°C
Max. shock	50 g less than 6 ms

Electrical Data

Supply voltage	10 to 16 V, max. 24 V for 5 min
Max. peak voltage	35 V for 200 ms
Power consumption Pump	230 W
Power consumption Relay	170 W
Power consumption Electronics	8 W

Inputs

4 active wheel speed DF11
Brake pressure (front brake circuit / rear brake circuit)
Longitudinal acceleration, lateral acceleration, yaw rate (MM5.10 sensor)
11 adjustment settings (applicable for OEMs)
ABS function can be deactivated (Pos. 1 or Pos. 12)

Outputs

ABS warning light (MIL)
EBD warning light (MIL) if needed
TTL wheel speed signal FL / FR / RL / RR

Communication

ABS and Yaw rate sensor	CAN1
Diagnostics	MSA Box II

Content of Kit and Weights

Hydraulic unit	1,910 g
2 pressure sensors	40 g/each

Yaw/acceleration sensor	60 g
12 position function switch	50 g
4 wheel speed sensors DF11 standard	50 g/each
ABS warning light (MIL)	50 g
Vehicle specific wiring harness with motorsport connectors	Depends on version
Clubsport wiring harness	1,540 g
Mounting and vibration-damping boards	80 g
Mounting board for hydraulic unit	212 g

Optional Accessories

Data logger C 70	F 02U V02 302-01
Display DDU 9	F 02U V02 300-02
Display DDU 10	F 02U V02 659-01
Communication interface MSA Box II	F 02U V00 327-02
Wheel speed signal splitter with 1 motorsport connector	F 02U V01 928-01

Ordering Information

ABS M5 Kit 1

Order number **F 02U V05 289-01**

ABS M5 Kit 2

Order number **F 02U V05 290-01**

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