

ABS M4 Kit

The ABS M4 kit is developed for the operation in front, rear or 4-wheel drive vehicles. A vehicle specific wire harness is included in the kit. The ABS M4 is specifically adapted for motorsports use. Individual car parameters can be calibrated with a software free of charge.



Mechanical Data

Hydraulic unit with attached ECU

Dust and splash proof production housing	
Vibration damped circuit board	
38 pin connector	
2 hydraulic valves per wheel	
2 brake circuits (front and rear)	
2 hydraulic high pressure pumps	
2 hydraulic accumulators 3 ccm/each	
Standard fittings	2 x master cylinders M12x1 4 x brake cylinders M10x1
Size	125 x 80.3 x 129.6 mm
Weight	1,850 g
Operating temperature	-30 ... 130 °C
Max. shock	50 g < 6 ms

Content of Kit

Hydraulic unit with attached ECU
Pressure sensor
Yaw/acceleration sensor
12 position function switch
4 wheel speed sensors DF11 standard
ABS warning light
Vehicle specific wire harness
Vibrations damping boards

Electrical Data

Power Supply and Consumption

Supply voltage	8 ... 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
12 position function switch
9 switch positions preconfigured
2 switch positions programmable
1 switch position for ABS function OFF
Brake light switch

Outputs

ABS warning light (MIL)
Control of internal ABS valves
Control of pump motor

Communication

CAN interface

Optional Accessories

Additional package ASR (Traction control), includes software, map switch and CAN module on request

Additional package EBD (Electronic Brake force Distribution) on request

Data logger C Sport F 01T A20 061-01

Display DDU Sport F 01T A20 050-01

Communication interface MSA Box II
F 02U V00 327-01

Wheelspeed signal splitter
Single without connectors F 02U V00 225-01

Single, motorsport connectors F 02U V00 209-01

Quad, 2 motorsport connectors F 02U V00 203-03

Quad, 1 motorsport connector F 02U V00 335-03

Adapter wire harness for connection of data logger C Sport F 02U V00 309-01

Part Numbers

ABS M4-Kit 1 (Wire harness with motorsport connectors, customer-specific layout, wheel speed sensors with production-type connectors)

F 02U V00 289-01

ABS M4-Kit 2 (Wire harness with motorsport connectors, customer-specific layout, wheel speed sensors with motorsport connectors)

F 02U V00 290-01

