

Type No. 450-111-011



MEGA-Line
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Description / features

The central unit is the heart of the MEGA-Line AGS, which includes the electronic control system and the compressor with reservoir. One hose supplies an external actuator (including the shift valves) with air. For a complete gearshift system, shift cylinder, blip actuator and shift paddles have to be added.

Communication with other electronic systems is made via CAN Bus and analog signal channels. Parameters can be modified via an USB interface.

Technical specifications

Electronic data:

Operating voltage	13.5V nom.
Operating current (electronic)	approx. 400mA
Operating current (compressor)	approx. 10A @ 30% duty cycle

Mechanical data:

Dimensions L x W x H	approx. 166 x 65 x 156 mm
Weight	approx. 1800 g
Fitting for air pressure outlet	Dash6

Pneumatic data:

Max. operating pressure	6 - 8 bar
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Connector:

Deutsch 37 pin	AS214-35PN
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Temperature range:

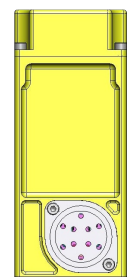
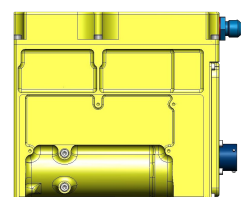
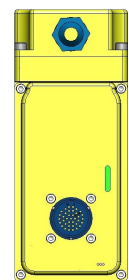
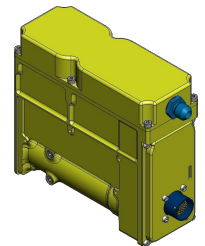
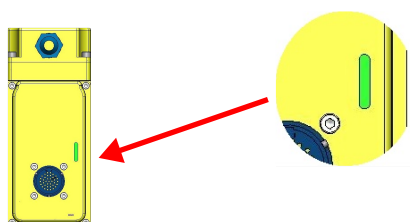
Ambient (min/max)	0 .. +65°C
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Ordering information:

Article no.	450-111-011
Order no.	6668

Status indication

Life LED	white
Error LED	red

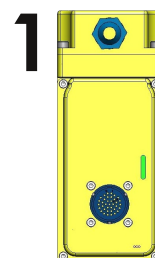


Pin assignment (electric)

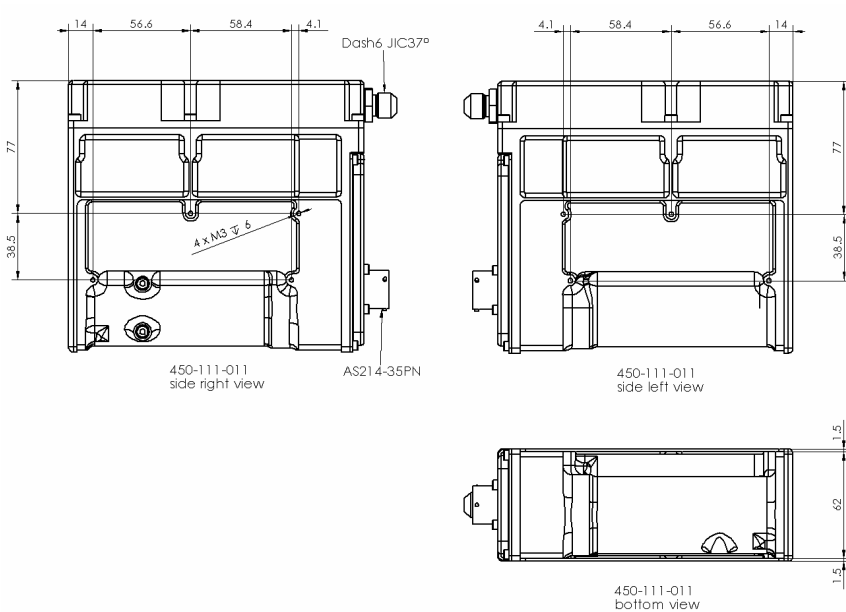
Pin	Function	Dia [AWG]	Type
1	power supply electronic	22	pwr
2	ground electronic	22	pwr
3	valve up	22	digital out
4	valve down	22	digital out
5	valve blip	22	digital out
6	emergency indicator	26	digital out
7	power supply compressor	22	pwr
8	power supply compressor	22	pwr
9	ground compressorr	22	pwr
10	ground compressor	22	pwr
11	ext_gnd_sense	26	analog in
12	CAN1 high	26	data
13	CAN1 low	26	data
14	CAN2 high	26	data
15	CAN2 low	26	data
16	USB +	26	data
17	USB -	26	data
18	paddle up	22	digital in
19	paddle down	22	digital in
20	emergency switch	22	digital in
21	neutral button	22	digital in
22	reverse button	22	digital in
23	crankshaft in	26	digital in
24	wheelspeed in	26	digital in
25	ID data	26	data
26	pressure up sensor	26	analog in
27	pressure down sensor	26	analog in
28	pressure blip sensor	26	analog in
29	pressure clutch	26	analog in
30	throttle flap	26	analog in
31	shift state	26	analog out2
32	travel shift lever	26	analog in
33	power cut	26	analog out3
34	gearpot out	26	analog out4
35	gearpot supply	22	pwr
36	gearpot gnd	22	pwr
37	gearpot	22	analog in

Port description (pneumatic)

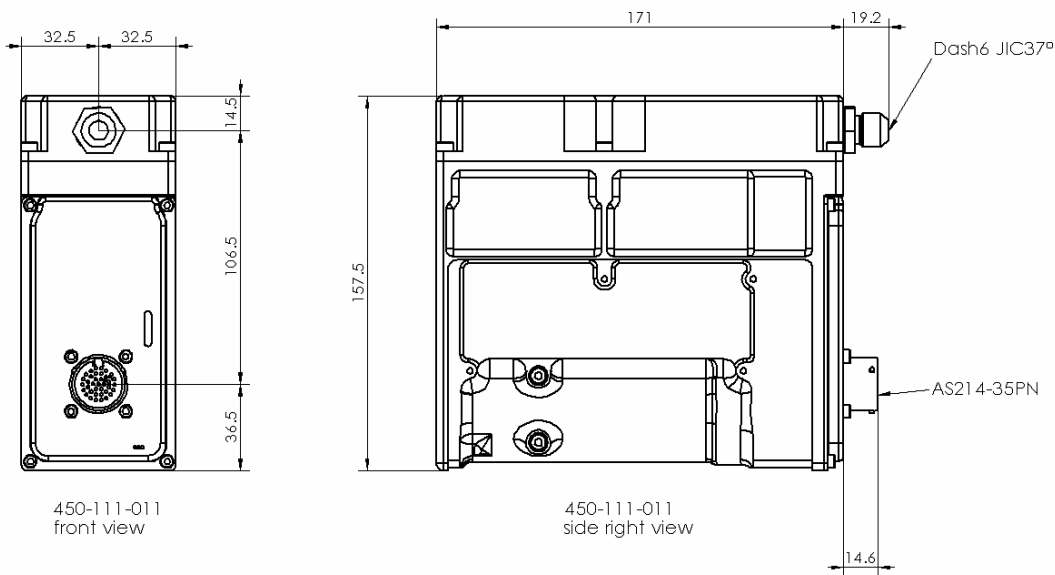
Port	Function	Dimension	max.torque [Ncm]
1	Air pressure outlet	Dash6	1200



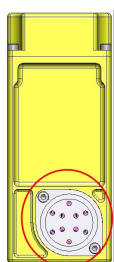
Assembly dimensions



Mechanical dimensions



Attention!



Both - compressor air inlet and pressure balance orifice must not be covered or restricted in any way!

