



MTS9

MTS9 Series

Accelerator pedal for electronic throttle control systems



FEATURES/BENEFITS

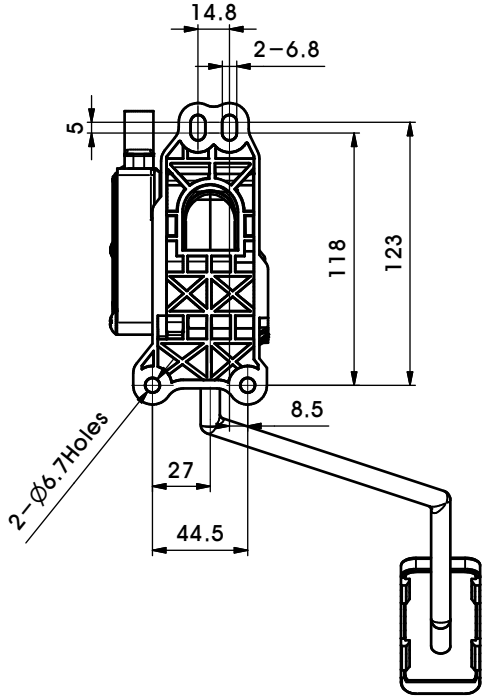
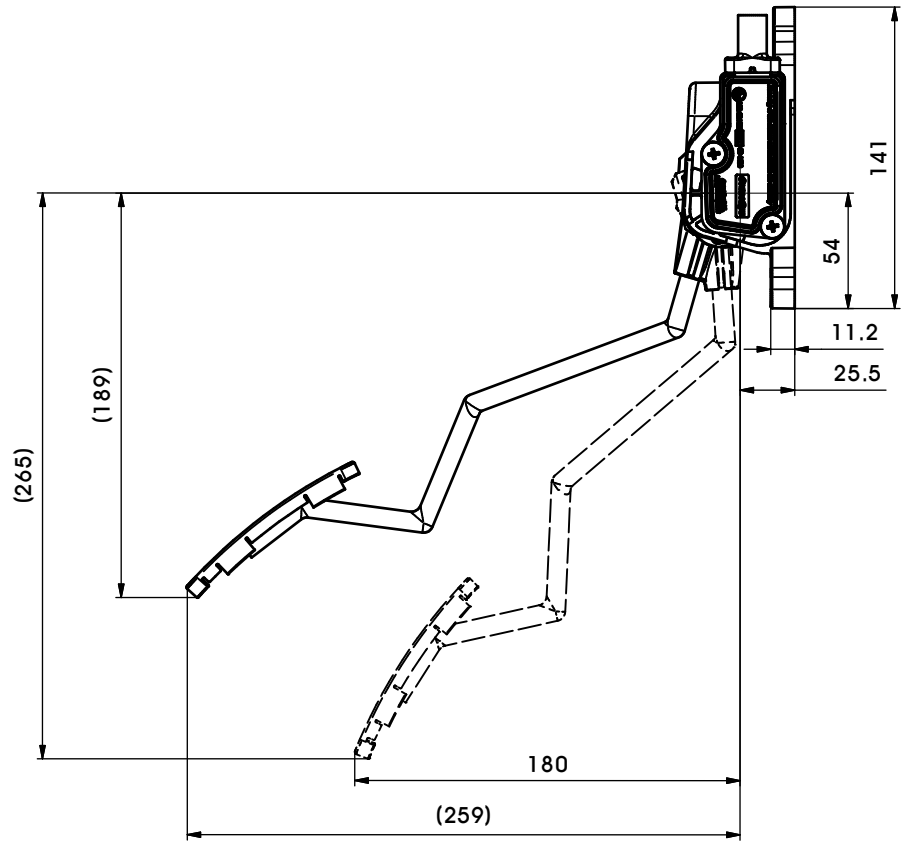
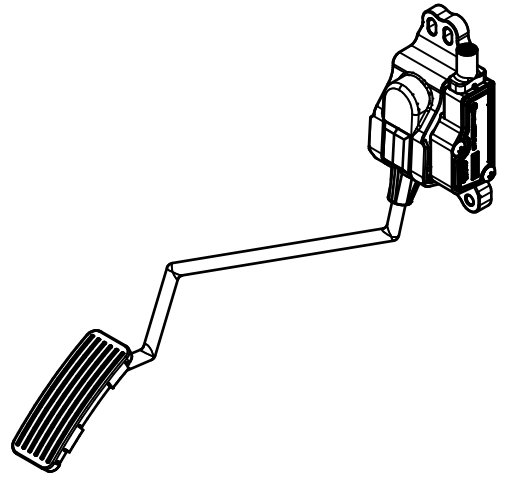
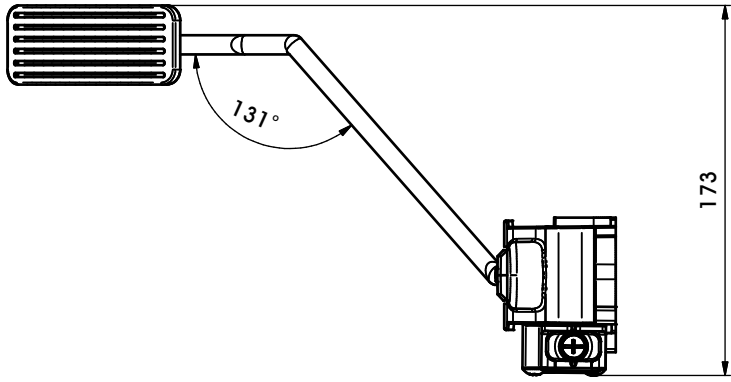
- ◆ **Output** : Single, Dual output, PWM, CAN Bus as per SAE J-1939
- ◆ **Integrated sensor** : detachable
- ◆ **Switch** : Double, Electronic or mechanical
- ◆ **Hysteresis** : Dual load/return force generation in compliance with FMVSS 124
- ◆ **Compact size, weight** : approx. 400 g
- ◆ **Connector** : AMP J-Series
- ◆ **Option** : Delphi, Deutsch, Packard weather seal or as requested.

TYPICAL SPECIFICATIONS

PRODUCT LIFE	FULL TRAVEL CYCLES	10 M
ELECTRONICS	Seal Integrity ESD EMS	IP67 Tested in accordance with IEC 61000-4-2 As per ISO 11452-2 (2004E)
ELECTRICAL	Input Voltage Signal and Switches	5 / 12 / 24 / 48 / 80 Vdc as requested Signal type and switch position to be in accordance with customer specification.
MECHANICAL	Pedal Travel Pedal Force	20 +/- 2deg Initial Load 16N min, Full Throttle 30N max. Adjustable as per customer specification. 160kgf +/-5kgf
ENVIRONMENT	Operation Temp. Storage Temp. Vibration Shock Salt fog Impact	-40 ~ +85°C -40 ~ +105°C Subject to broadband random vibration between 20 and 2000Hz for 20 hrs in all 3 axis. After exposed to Acceleration 20G for 11ms After exposed to Salt Fog 96 Hours (JIS Z2371) Free drop onto a smooth concrete floor from a height of one meter, a total of 6 times.

Part No. -

REVISION HISTORY					
REV	DESCRIPTION	DATE	DR	RE	AP
0	Issued	05.Mar.20	M.J.Kim	J.I.Kim	J.H.Lee



ComeSys Control & Measurement Systems Limited				Name Electric Accelerator Pedal Ass'y (MTS9)																									
General Tolerance for Machining (KS B 0412)				Application Model -																									
<table border="1"> <tr> <td>0.5-30mm</td> <td>±0.2</td> <td>30-50mm</td> <td>±0.3</td> <td>50-100mm</td> <td>±0.4</td> </tr> <tr> <td>3-6mm</td> <td>±0.3</td> <td>10-30mm</td> <td>±0.4</td> <td>30-60mm</td> <td>±0.5</td> </tr> <tr> <td>6-30mm</td> <td>±0.5</td> <td>30-60mm</td> <td>±0.6</td> <td>60-120mm</td> <td>±0.8</td> </tr> <tr> <td>30-120mm</td> <td>±0.8</td> <td>120-300mm</td> <td>±1.0</td> <td>300-600mm</td> <td>±1.5</td> </tr> </table>				0.5-30mm	±0.2	30-50mm	±0.3	50-100mm	±0.4	3-6mm	±0.3	10-30mm	±0.4	30-60mm	±0.5	6-30mm	±0.5	30-60mm	±0.6	60-120mm	±0.8	30-120mm	±0.8	120-300mm	±1.0	300-600mm	±1.5	Priority & Confidence The information contained in this Drawing is the sole property of ComeSys Ltd. Any reproduction in part or as a whole without the written permission of ComeSys Ltd is prohibited. http://comesys.net	
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DR	M.J.Kim	05.Mar.20	Do Not Scale	Weight	561 g																								
RE	J.I.Kim	05.Mar.20	Third Angle Projection	Customer Part No.	-																								
AP	J.H.Lee	05.Mar.20	Sheet 1 of 1	ComeSys Part No.	-																								
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