



MTS10

MTS10 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.

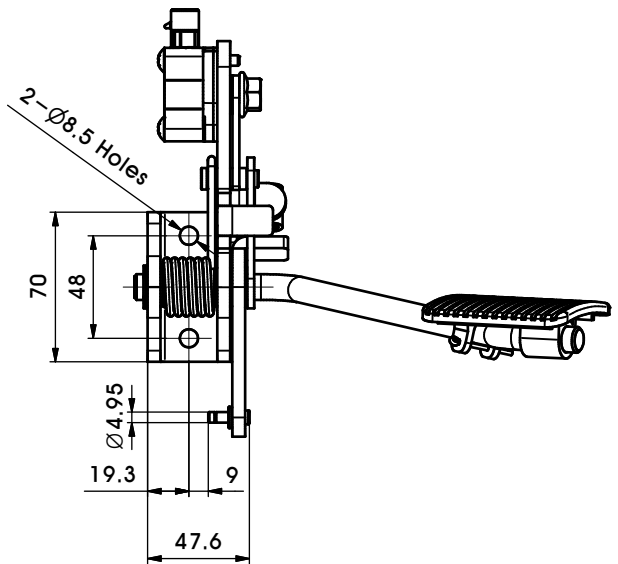
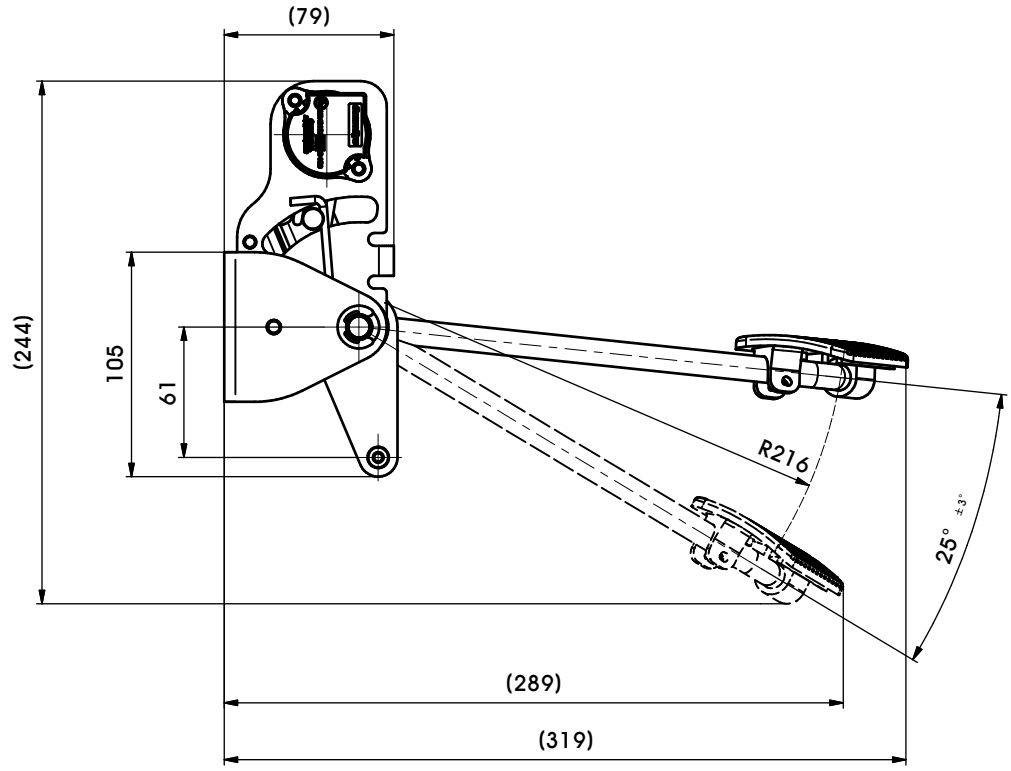
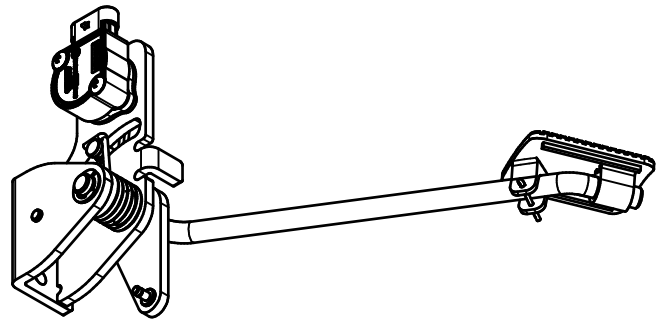
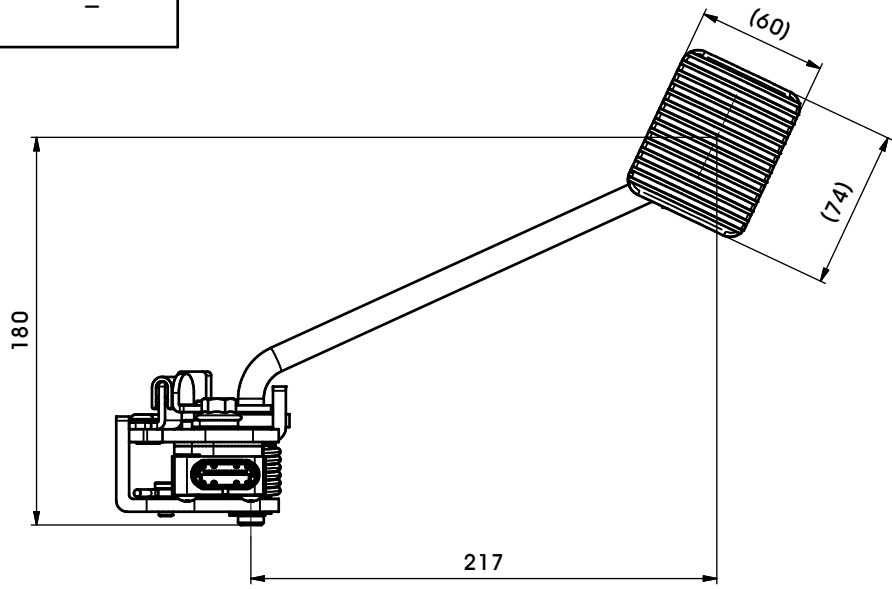


TYPICAL SPECIFICATIONS

PRODUCT LIFE	FULL TRAVEL CYCLES	10 M
ELECTRONICS	Seal Integrity	IP67
	ESD	Tested in accordance with IEC 61000-4-2
	EMS	As per ISO 11452-2 (2004E)
ELECTRICAL	Input Voltage	5 / 12 / 24 / 48 / 80 Vdc as requested
	Signal and Switches	Signal type and switch position to be in accordance with customer specification.
MECHANICAL	Pedal Travel	20 +/- 2deg
	Pedal Force	Initial Load 18N min, Full Throttle 32N max. Adjustable as per customer specification.
	End-Break	160kgf +/-5kgf
ENVIRONMENT	Operation Temp.	-40 ~ +85°C
	Storage Temp.	-40 ~ +105°C
	Vibration	Subject to broadband random vibration between 20 and 2000Hz for 20 hrs in all 3 axis.
	Shock	After exposed to Acceleration 20G for 11ms
	Salt fog	After exposed to Salt Fog 96 Hours (JIS Z2371)
	Impact	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 (MTS10)																			
<small>General Tolerance for Machining (KS B 0412)</small> <table border="1"> <tr> <td>1.5-3mm</td> <td>±0.2</td> <td>3-6mm</td> <td>±0.3</td> <td>6-30mm</td> <td>±0.5</td> </tr> <tr> <td>30-120mm</td> <td>±0.8</td> <td>120-315mm</td> <td>±1.2</td> <td>315-1000mm</td> <td>±2</td> </tr> <tr> <td>1000-3000mm</td> <td>±3</td> <td>3000-6000mm</td> <td>±4</td> <td></td> <td></td> </tr> </table>				1.5-3mm	±0.2	3-6mm	±0.3	6-30mm	±0.5	30-120mm	±0.8	120-315mm	±1.2	315-1000mm	±2	1000-3000mm	±3	3000-6000mm	±4			<small>Priority & Confidence</small> 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	
1.5-3mm	±0.2	3-6mm	±0.3	6-30mm	±0.5																		
30-120mm	±0.8	120-315mm	±1.2	315-1000mm	±2																		
1000-3000mm	±3	3000-6000mm	±4																				
Application Model				-																			
Material				Paint & Surface Treatment																			
Weight				980 g																			
Heat Treatment				-																			
Customer Part No.				ComeSys Part No.																			
-				-																			
Sheet 1 of 1				Issued																			
-				0																			