ComeSys

Electronic Suspended Pedal MTS9

The suspended pedal consisted of a base unit (nylon 66, GF 30%) and a pre-fitted pedal lever (Carbon Steel + Black Coated, Polished).

Twin return springs are used to replicate the pedal forces and direction-dependent hysteresis and to provide added safety.

Pedal position feed back is provided by a contactless sensor connected to either an analog or PWM signal circuit, depending on the variant. The no-load state can be detected either by an optocoupler or mechanically via a microswitch.

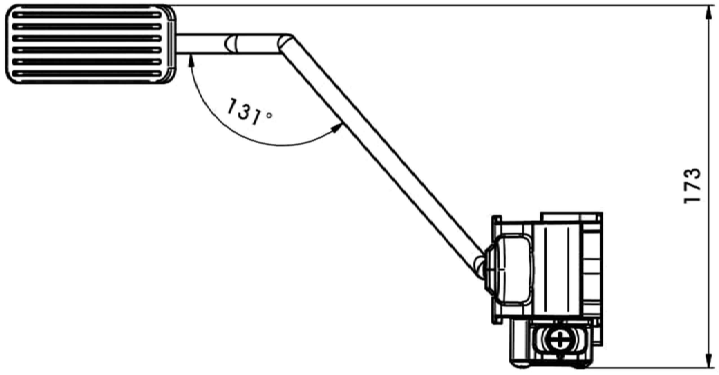
※ Arm is adjustable as per customer's request.

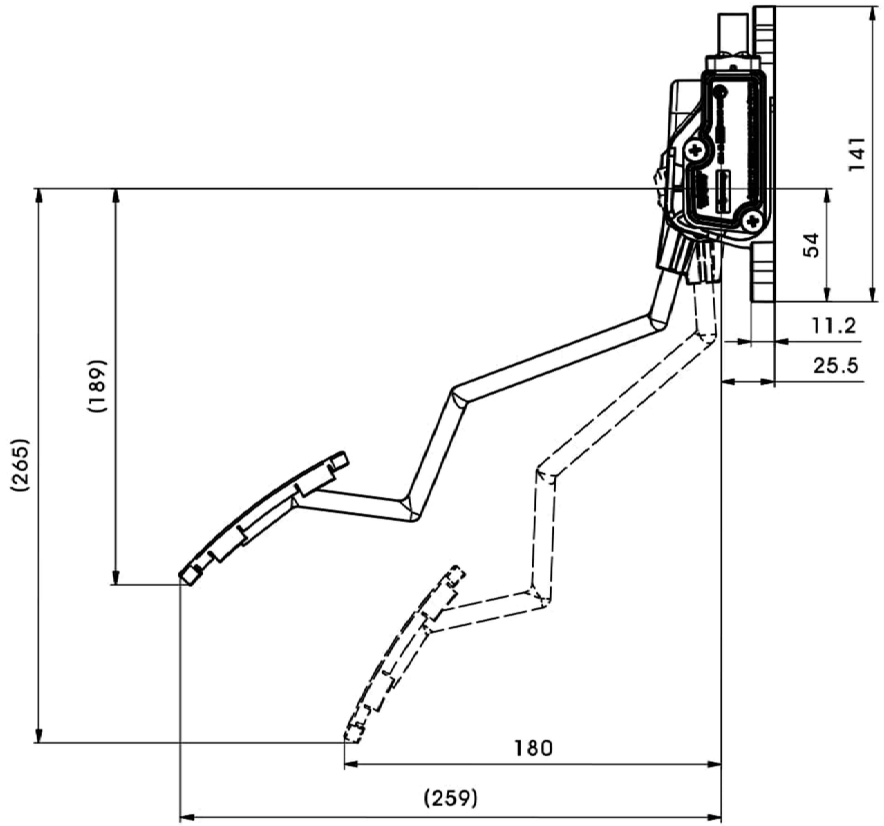
SPECIFICATIONS

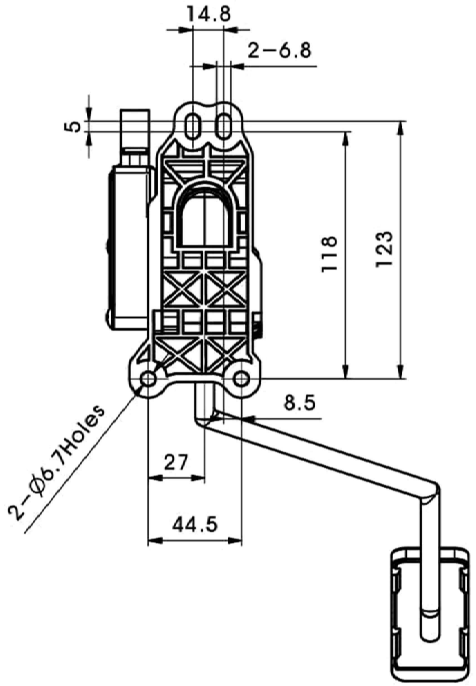
PRODUCT LIFE	FULL TRAVEL CYCLES	10 MILLION
ELECTRONICS	SEAL INTEGRITY	IP67
	EMI	SAE J1843 Compliant
ELECTRICAL	OPERATING VOLTAGE	5, 12, 24, 48 72Vdc as requested
	OUTPUT SIGNAL	Single, Dual output, PWM, CAN Bus as per SAE J-1939
PEDAL ANGLE	DEGREES	20° Angular Rotation
MECHANICAL	OPERATING FORCE	Initial Load : 5.3kgf (MIN), Full Throttle : 7kgf (MAX)
	VIBRATION	8 Hour, 3-Axis, Random Broadband up to 9G
ENVIRONMENTAL	OPERATING TEMP RANGE	-40℃ to 85℃
	STORAGE TEMP RANGE	-40℃ to 85℃
	HUMIDITY	After Exposed to -32℃ ~ 70℃ (96%)
	SAND/DUST	Tested to SAE-J 1455
MATERIALS	BASE PLATE	PA66+GF30%,
	PEDAL ARM BODY	ALUMINUM DIECASTING (ADC12)
	FOOT TREADLE	SS400
	TREADLE COVER	TPE

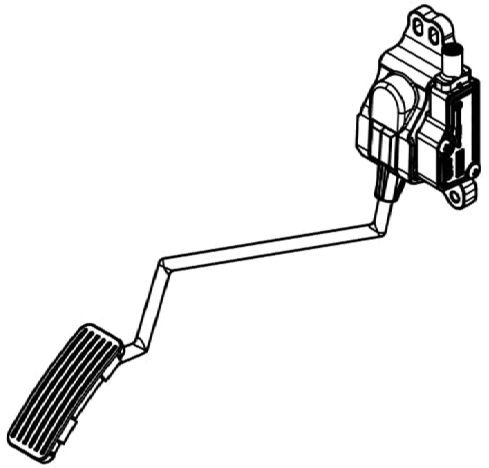
Part No. –

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)			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	Application Model: –		
0.5~3mm	±0.2	120~315mm	±1.2			
3~6mm	±0.3	315~1000mm	±2			
6~30mm	±0.5	1000~2000mm	±3			
30~120mm	±0.8	2000~4000mm	±4			
				Material: –	Paint & Surface Treatment: –	
DR	M.J.Kim	05.Mar.20	Do Not Scale	Weight: 561 g	Heat Treatment: –	
RE	J.I.Kim	05.Mar.20	Third Angle Projection			
AP	J.H.Lee	05.Mar.20	Sheet 1 of 1	Customer Part No.: –	ComeSys Part No.: –	Issued: 0