ComeSys

Electronic Suspended Pedal MTS2

The suspended pedal consists of a base unit and a pre-fitted pedal lever (66% nylon, 30% GF). Twin return springs are used to replicate the pedal forces and direction-dependent hysteresis and to provide added safety.

Pedal position feedback is provided by a contactless sensor connected to either an analog or PWM signal circuit, depending on the variant.

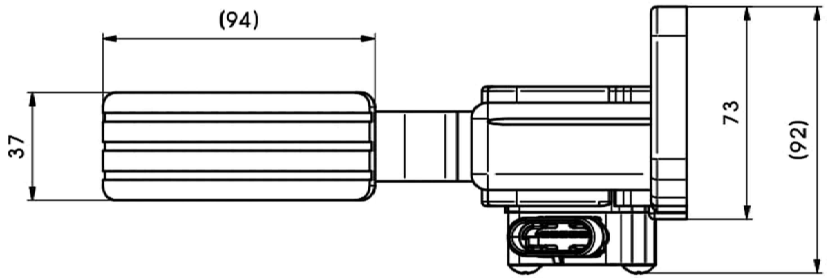
The no-load state can be de tected either by an optocoupler or mechanically via a microswitch, according to the application.

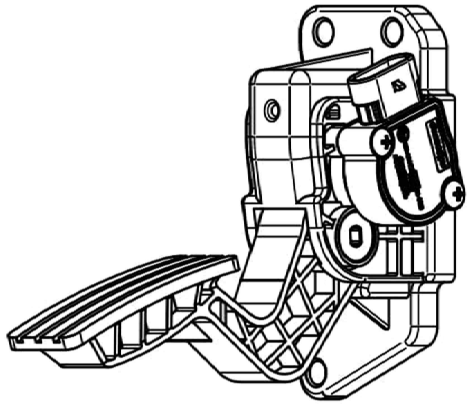
SPECIFICATIONS

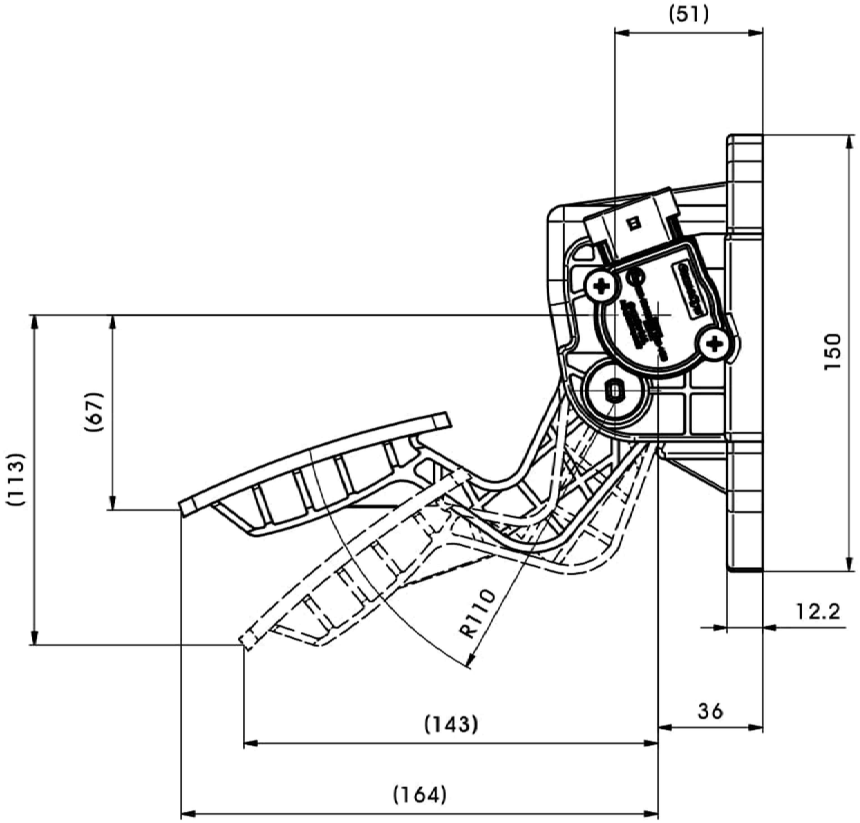
PRODUCT LIFE	FULL TRAVEL CYCLES	10 MILLION
ELECTRONICS	SEAL INTEGRITY	IP67
	EMI	SAE J1843 Compliant
ELECTRICAL	OPERATING VOLTAGE	5, 12, 24, 48 72Vdc as requested
	OUTPUT SIGNAL	Single, Dual output, PWM, CAN Bus as per SAE J-1939
PEDAL ANGLE	DEGREES	19° Angular Rotation
MECHANICAL	OPERATING FORCE	Initial Load : 30N (MIN), Full Throttle : 60N (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	FOOT TREADLE	PA66+GF30%
	BODY CASTINGS	PA66+GF30%

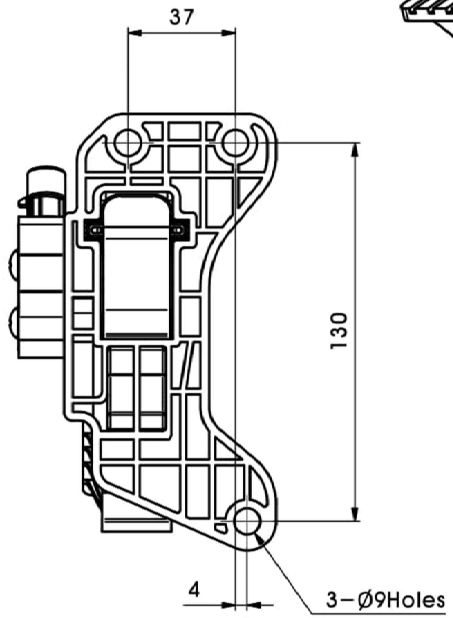
Part No. –

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 (MTS2)
General Tolerance For Machining (KS B 0412)			Application Model: –
0.5~3mm ±0.2	120~315mm ±1.2	Propriety & 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	
3~6mm ±0.3	315~1000mm ±2		Material: – / Paint & Surface Treatment: –
6~30mm ±0.5	1000~2000mm ±3		
30~120mm ±0.8	2000~4000mm ±4		Weight: 247 g / Heat Treatment: –
DR: M.J.Kim 05.Mar.20	Do Not Scale		
RE: J.I.Kim 05.Mar.20	Third Angle Projection		Customer Part No.: – / ComeSys Part No.: – / Issued: 0
AP: J.H.Lee 05.Mar.20	Sheet 1 of 1		