

The floor-mounted pedal is composed of a base-plate for mounting in the passenger compartment and a pre-fitted pedal plate (aluminum ADC12, injection molded, black finish, 66 % nylon, 30 % GFRP).

Two return springs are used to replicate the pedal forces and direction-dependent hysteresis; twin return springs are used for added safety.

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

The no-load state can be detected 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	37°
MECHANICAL	LOAD	Initial Load : 0.9kgf (MIN), Full Throttle : 3.3kgf (MAX)
	VIBRATION	8 Hour, 3-Axis, Random Broadband up to 9G
ENVIRONMENTAL	OPERATING TEMP RANGE	-40°C to 85°C
	STORAGE TEMP RANGE	-40°C to 85°C
	HUMIDITY	After Exposed to -32°C ~ 70°C (96%)
	SAND/DUST	Tested to SAE-J 1455
MATERIALS	TREADLE	PA66+GF30%,
	MOUNTING PLATE	Aluminum (ADC12)

