

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	3 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°
MECHANICAL	LOAD	Initial Load : 1.2kgf (MIN), Full Throttle : 4.8kgf (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)

