



SAM-AC

Universal high dynamic Throttle/clutch actuator

for remote control of vehicle components

- Universal push / pull / turn motion
- Pedal, cable or potentiometer linkage



Actuator SAM-AC

Actuator SAM-AC

Test stand actuator for remote control of throttle (accelerator) or clutch

- To be used for push / pull / turn action
- Fail-safe principle with spring loaded safety technology
- Unloaded accelerator pedal as basic actuator position (non-powered)
- High accurate and dynamic position control with PWM – axis controller
- Build-in adapter to engine throttle cable
- Pedal rod to link to vehicle pedal

Application

Universal actuator to be used as part of the modular SAM-RAPID robot system for powertrain test stands.

Technical Data

Positioning system	electrical
Motion course	linear and rotary
Non-powered position	pedal unloaded (zero position)
Stroke	max. 200 mm
Force	max. 400 N
Speed	max. 1.4 m/s
Position measuring	conductive plastic potentiometer
Measurement accuracy	0.04mm (12 bit)
Temperature range	-40°C ... +80°C
Motor voltage	320VDC
Motor type	Brush-less AC drive with resolver
Positioning resolution	$360 / (4095 \times 32)^\circ = 0.00274^\circ$
Force Measurement	stationary DMS sensors with analog scaling circuitry (option)

Options:

- Force measurement
- Test bed stand

Technische Änderungen vorbehalten.

Überreicht durch: