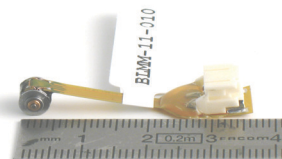


## › CTEC: COMPACT, DYNAMIC, PRECISE

Dynamic conditions are particularly challenging! They require systems capable of generating or handling large accelerations. Reactivity and reliability of actuators developed by CTEC make them unique for high dynamic applications.

However integration and loading conditions being equally important, we invite you to get in touch with our engineers at [actuator@cedrat-tec.com](mailto:actuator@cedrat-tec.com) to discuss your application.



## › TABLE OF STANDARD PROPERTIES OF USE AND MEASUREMENT

The properties defined in the table below, are set up according to the technical conditions of use and measurement. These properties are warranted within their variation range and in compliance with the standard technical conditions of use.

PROPERTIES	UNIT	NOMINAL VALUES
Notes		
Stroke	mm	> 0,5
Holding force at rest (Fh)	mN	80
Actuation force at start stroke (Fs) for Inpc	mN	60
Actuation force at end stroke (Fe) for Inpc	mN	250
Commutation time	ms	< 1,7
Nominal pulse current Inpc	A	+/- 1,2
Pulse width	ms	1.7
Connector Electrical interface (2 wires)	JST - S2B - PH - SM4 - TB	
Winding resistance	ohm	4.25
Winding inductance	μH	56.8
Instantaneous Dissipated power	W	6.2
Electric Time constant	μs	13
Temperature rise for 1 switch	°C	0.012
Temperature in steady state for 15 switch/s	°C	< 130 (TBC)
Moving Mass	mg	76
Total Mass	g	1.1
Actuator diameter size (PCB included)	mm	< 6
Height actuator (without shaft)	mm	6.8
Type of shaft	All through shaft	
Free Length for shaft fastening	mm	0.3
Diameter Mobile shaft	mm	0.8

➤ MECHANICAL CONFIGURATIONS

View of actuator with electrical flex :

Dimensions are given only for information.

