Accelerator Switch



ACCELERATOR SWITCH STIPO

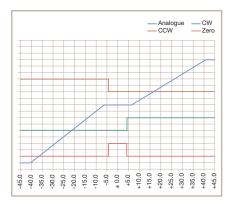
The sensor accelerator switch is suitable for the mounting in tubes or housings with low space, caused by its small outside-diameter of 30 mm. Besides an analogue signal, the accelerator switch also has two digital direction signals as well as a digital zero-position-signal. The dual redundancy hall-sensors offers the highest security. In order to protect the hall-sensors against outer influences the housing contains a dense steel core, that allows screw fixing to the sensor.

- Three digital outputs / one analogue output
- Contact-less sensors
- Safety category 1 with PL c EN ISO 13849
- Small diameter 30 mm
- Extrusion-coated steel housing
- Protection class IP 54
- Different twist grips available

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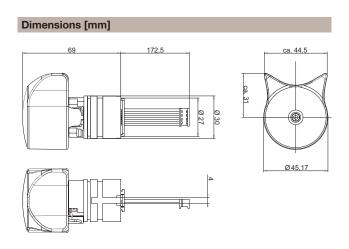
Characteristic Single-ended

Characteristic Wig-wag





Technical Data				
Operating conditions				
Operating voltage	+10.5 V _{DC} - 32.0 V _{DC}			
Power consumption	max. 25 mA			
Output voltage	see separater datasheet STIPO			
Output current	max. 5 mA			
Digital signals	max. 35 V / 20 mA			
Mechanical rotation angle	45° each direction			
	(± 1.5° tolerance)			
Electrical rotation angle	41.5° each direction			
	(± 1.5° tolerance)			
Operating temperature	-40 to +85 C°			
Protection class	IP 54 (except connector)			
Life time	2 000 000 cycles			



Different Kinds of Accelerator Switches									
Accelerator	3203-00700-01	3203-00700-02	3203-00700-03	3203-00800-01	3203-00800-02	3203-00800-03	3203-00800-05	3203-00800-06	
Charact. curve	Wig-wag	Single-ended	Single-ended	Wig-wag	Single-ended	Single-ended	Single-ended	Wig-wag	
Digital signal	low active	low active	low active	high active	high active	high active	high active	high active	
Connector	Molex	Molex	Molex	Molex	Molex	Molex	Molex-Micro-Fit	Molex-Micro-Fit	
	90327-3308	90327-3308	90327-3308	90327-3308	90327-3308	90327-3308	Select Gold	Select Gold	
Operating voltage	+24 V								
PIN 1	_	_	_	_	_	_	+UB	+UB	
PIN 2	+UB	+UB	+UB	+UB	+UB	+UB	GND	GND	
PIN 3	_	_	_	_	-	_	Digital signal neutral	Digital signal neutral	
PIN 4	Analog out								
	0.5 – 4.5 V	0.5 – 4.5 V	0.5 – 8.5 V	0.5 – 4.5 V	0.5 – 4.5 V	0.5 – 8.5 V	0.5 – 4.5 V	0.5 – 4.5 V	
PIN 5	GND	GND	GND	GND	GND	GND	Digital signal CCW	Digital signal CCW	
PIN 6	Digital signal CW								
PIN 7	Digital signal CCW	-	_						
PIN 8	Digital signal neutral	-	_						