

Linear measuring technology

Draw-wire encoder A30	Compact-Line	Measuring length max. 0.6 m
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The draw-wire mechanics A30 with analog output stands out with its miniaturized design. It is available with potentiometer, voltage or current output.



Analog output

Wide temperature range	High protection level	Reverse polarity protection	Easy mounting	Compact design

Miniaturized and simple

- Measuring length up to 600 mm.
- For applications with a low traversing speed.
- Easy to install.
- Housing of reinforced plastic.

Order code **D5.350X.AXXX.0000**
draw-wire encoder Type **a** **b** **c**

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|--|---|--|
| a Measuring range
A = 300 mm ¹⁾
B = 600 mm | b Output circuit
11 = analog output 4 ... 20 mA
22 = analog output 0 ... 10 V DC
supply voltage 15 ... 28 V DC
33 = potentiometer output 10 kΩ | c Type of connection
4 = radial cable, 0.5 m [1.64'] |
|--|---|--|

Accessories for draw-wire encoder	Dimensions in mm [inch]	Order no.
Guide pulley 	Technical data: - mounting bracket (anodized alum.) - guide pulley (plastic POM) - ball bearing (type 696-2R5)	Scope of delivery: - 2 x countersunk screws for lateral fixing - 2 x hexagonal screws for fixing on a flat surface
		8.0000.7000.0045

1) Not suitable for potentiometer output / order code **b** output circuit = 33.

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Technical data

Mechanical characteristics (draw-wire mechanics)	
Speed max.	0.8 m/s
Acceleration max.	32.3 m/s ²
Working temperature	-10 °C ... +80 °C [+14 °F ... +176 °F]
Protection acc. to EN 60529	IP50
Weight	approx. 60 g [2.12 oz]
Extension force F _{min}	3 N
Repeat accuracy	±0.15 mm
Linearity	±0.35 %
Material	housing plastic wire stainless-steel ø 0.4 mm plastic-coated

Electrical characteristics			
Analog output	0 ... 10 V DC	4 ... 20 mA	potentiometer 10 kΩ
Supply voltage	15 ... 28 V DC	–	–
Operating range	–	15 ... 28 V DC	max. 48 V DC
Max. load current	15 mA	–	–
Load	–	max. 500 Ω	–
CE compliant acc. to	EMC guideline 2014/30/EU RoHS guideline 2011/65/EU		

Terminal assignment (analog output)

Analog sensor A11 (4 ... 20 mA)			R/I converter			
	Signal:	+V	I _{out}	n.c.		
Cable	Core color:	BN	WH	GN		
Analog sensor A22 (0 ... 10 V DC)			R/U converter			
	Signal:	+V	0 V	U _{out}		
Cable	Core color:	BN	WH	GN		
Analog sensor A33 (Potentiometer 10 kΩ)			Potentiometer			
	Signal:	+V	0 V	Out		
Cable	Core color:	BN	WH	GN		

Dimensions

Dimensions in mm [inch]

