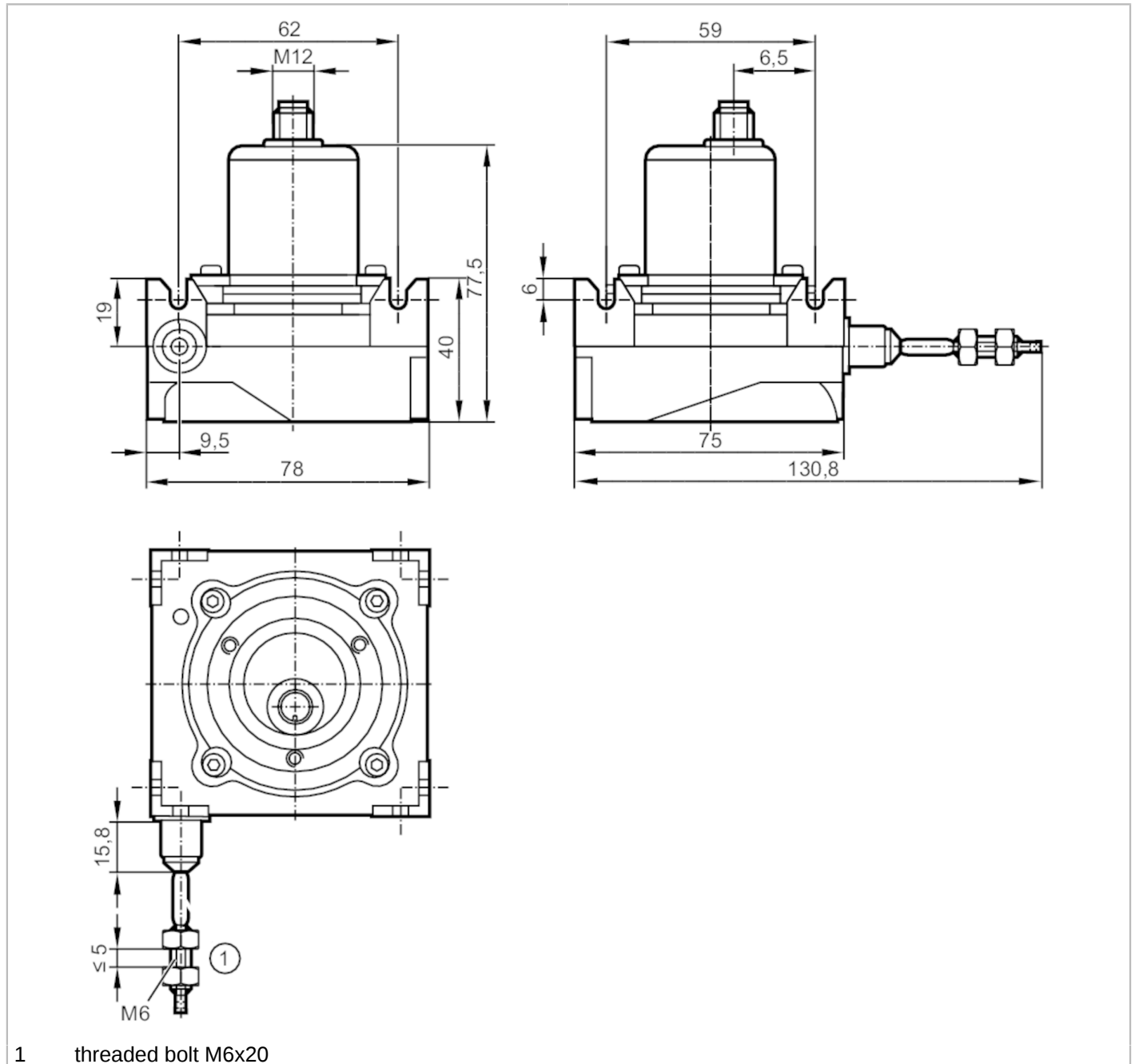


# RMS002



## Draw wire encoder

DRAW WIRE ENCODER



### Product characteristics

Resolution 8192 steps; 16 revolutions; 17 bit

### Application

Function principle absolute

Detection system magnetic

Application encoder

# RMS002



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DRAW WIRE ENCODER

Electrical data			
Operating voltage	[V]	8...32 DC	
Current consumption	[mA]	< 20	
Protection class		III	
Reverse polarity protection		yes	
Max. power-on delay time	[ms]	500	
Settling time	[ms]	32	
Inputs / outputs			
Number of inputs and outputs		Number of analogue outputs: 1	
Outputs			
Number of analogue outputs		1	
Analogue current output	[mA]	4...20	
Max. load	[Ω]	500	
Precision analogue output	[%]	0,1	
Measuring/setting range			
Resolution		8192 steps; 16 revolutions; 17 bit	
Accuracy / deviations			
Accuracy		± 0.012 % FSO	
Repeatability		± 0,005 % FSO	
Software / programming			
Parameter setting options		start position; end position; central position	
Operating conditions			
Ambient temperature	[°C]	-40...80	
Storage temperature	[°C]	-40...80	
Max. relative air humidity	[%]	95; (condensation not permissible)	
Protection		IP 64; (IP 65: on the housing)	
Mechanical data			
Weight	[g]	696	
Materials		housing: steel; wire drum: diecast zinc / plastic; wire: stainless steel polyamide coated	
Max. measuring length	[mm]	3000	
Wire drum circumference	[mm]	200	
Wire diameter	[mm]	0.87	
Wire connection		threaded bolt M6x20; eyelet Ø 2 mm	
Wire properties	max. speed of wire displacement	[m /s]	0,8
	max. wire acceleration	[g]	1
	max. extension force	[N]	3
	max. retraction force	[N]	2,5

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## Draw wire encoder

DRAW WIRE ENCODER

### Electrical connection

- 1 L+
- 2 analogue output
- 3 L-
- 4 Set2
- 5 Set1

Connector: 1 x M12, for axial use

