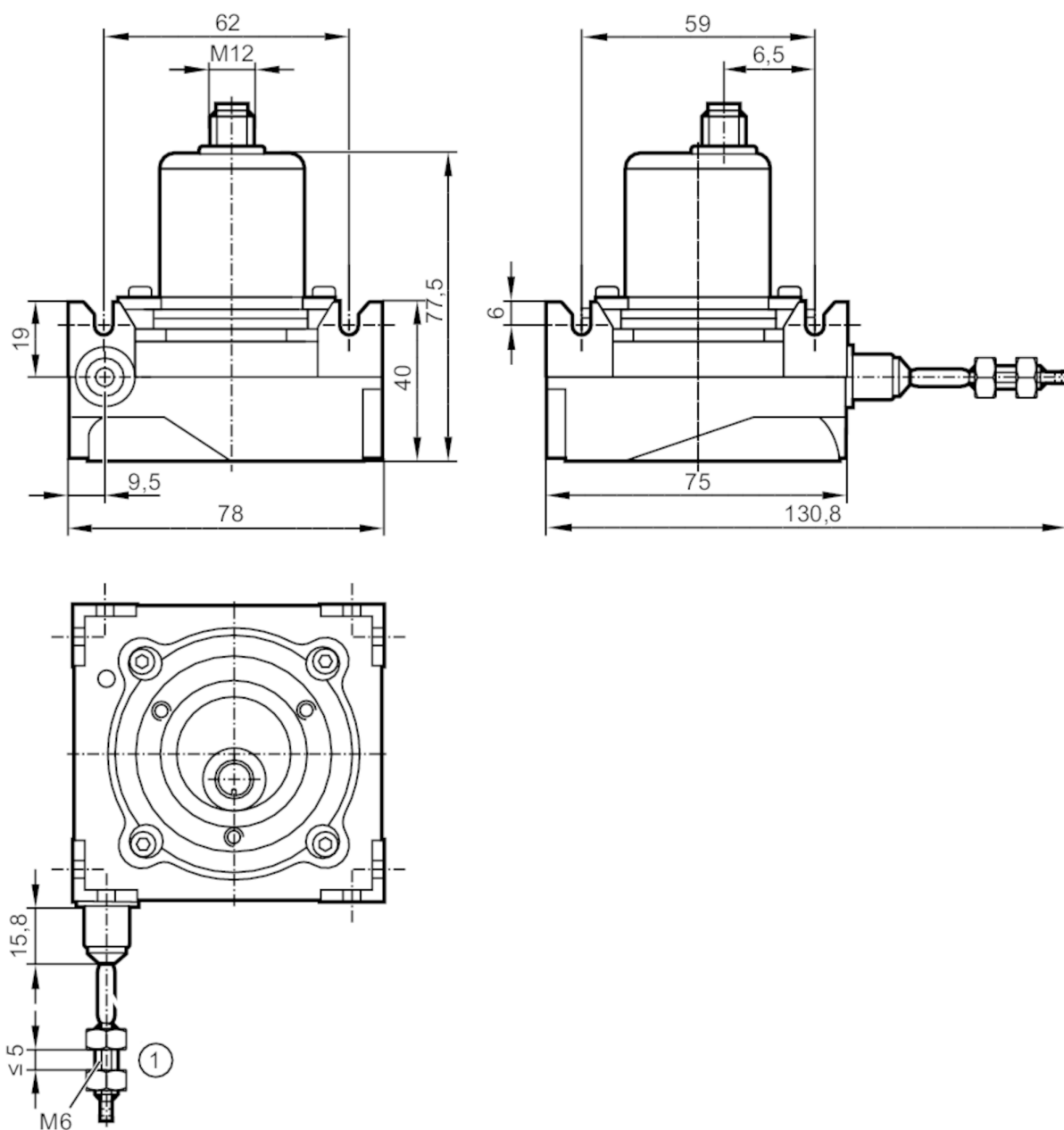


RMS002



Draw wire encoder

DRAW WIRE ENCODER



1 threaded bolt M6x20



Product characteristics

Resolution 8192 steps; 16 revolutions; 17 bit

Application

Function principle	absolute
Detection system	magnetic
Application	encoder

Electrical data

Operating voltage [V]	8...32 DC
Current consumption [mA]	< 20

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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; (on the housing: IP 65)		
Tests / approvals			
MTTF	[years]	241	
Mechanical data			
Weight	[g]	696	
Housing	cylindrical		
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
Remarks			
Pack quantity	1 pcs.		



Draw wire encoder

DRAW WIRE ENCODER

Electrical connection

Connector: 1 x M12, for axial use; coding: A



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