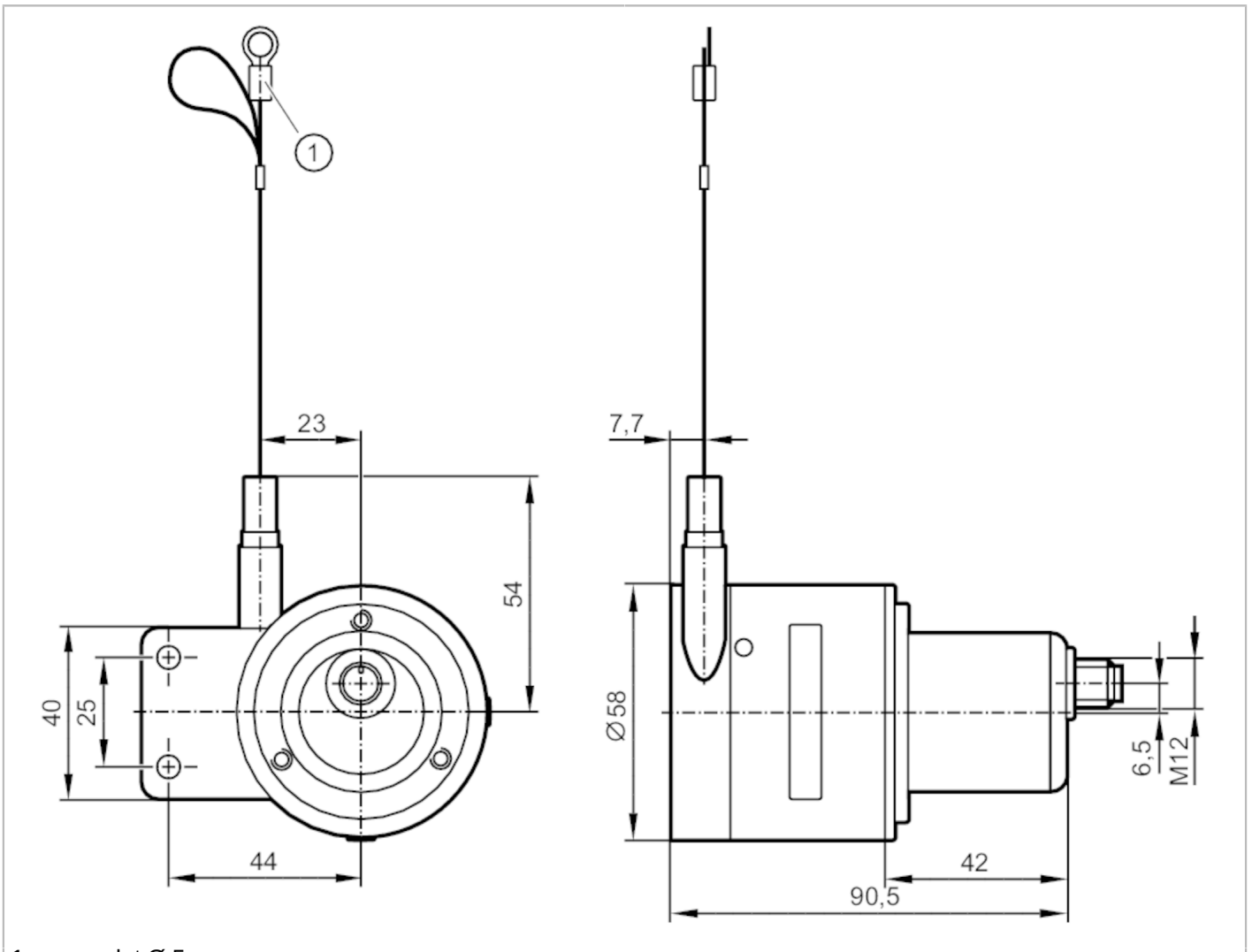
RMS001

Draw wire encoder

DRAW WIRE ENCODER



1 eyelet Ø 5mmn

CE

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		
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		

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Outputs			
Number of analogue outputs			1
Analogue current output	[mA]		4...20
Max. load	[Ω]		500
Precision analogue output	[%]		0,1
Short-circuit protection			yes
Measuring/setting range			
Resolution			8192 steps; 16 revolutions; 17 bit
Accuracy / deviations			
Accuracy			± 0.02 % FSO
Repeatability			± 0,006 % FSO
Software / programming			
Parameter setting options			start position; end position; central position
Operating conditions			
Ambient temperature	[°C]		-40...85
Storage temperature	[°C]		-40...85
Max. relative air humidity	[%]		95; (condensation not permissible)
Protection			IP 64; (IP 65: on the housing)
Mechanical data			
Weight	[g]		611
Materials			housing: steel; wire drum: aluminium; wire: stainless steel polyamide coated
Max. measuring length	[mm]		1900
Wire drum circumference	[mm]		150
Wire diameter	[mm]		0.45
Wire connection			eyelet Ø 5 mm
Wire properties		max. speed of wire displacement	[m /s] 2
		max. wire acceleration	[g] 12
		max. extension force	[N] 5
		max. retraction force	[N] 3,5

Electrical connection

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

Connector: 1 x M12, for axial use

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