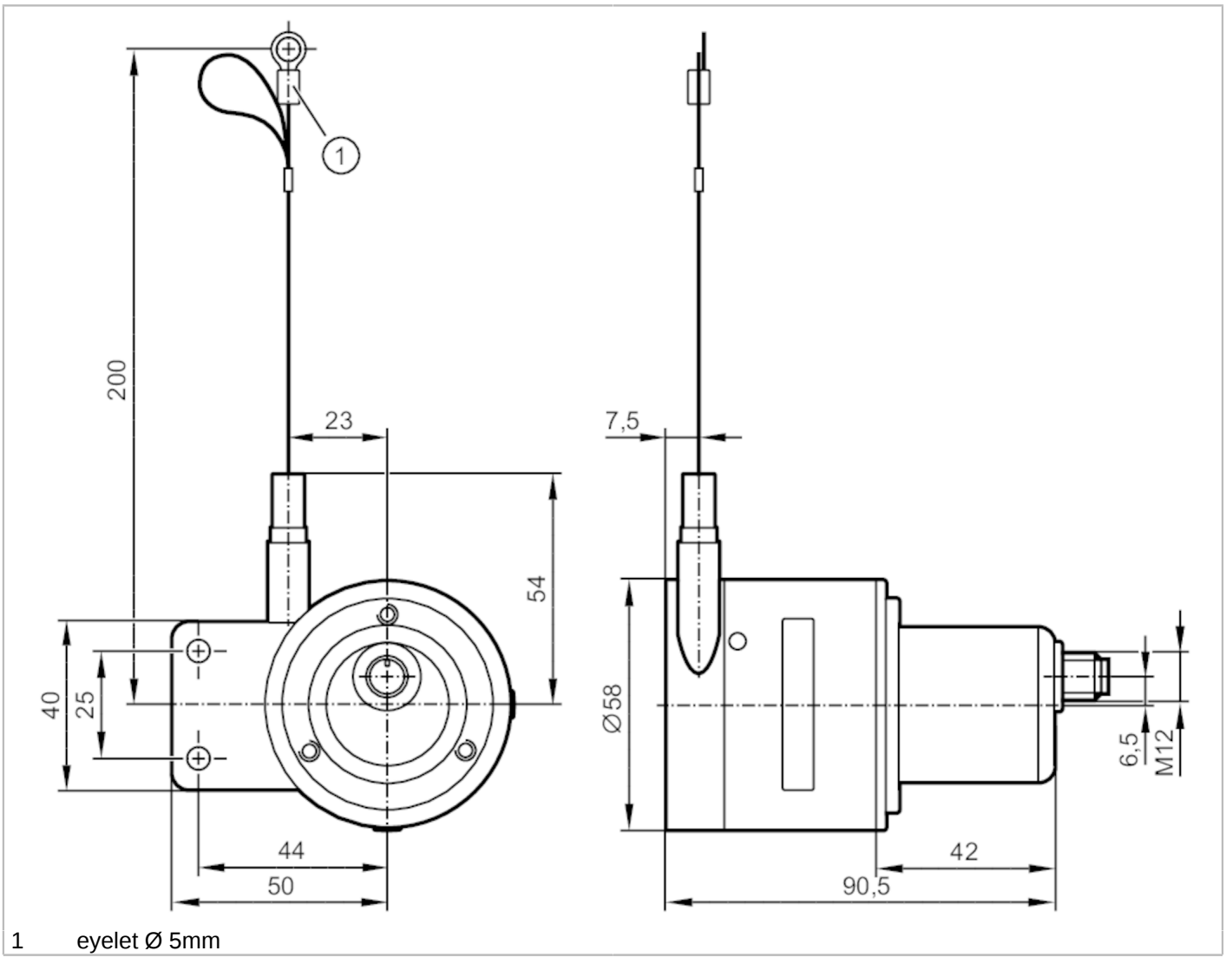
RMS001

Draw wire encoder

DRAW WIRE ENCODER



1 eyelet Ø 5mm

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 analog outputs: 1

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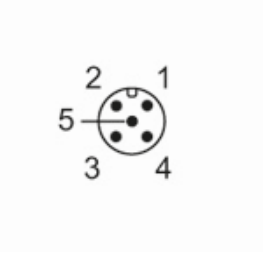
Outputs				
Number of analog outputs			1	
Analog current output	[mA]		4...20	
Max. load	[Ω]		500	
Precision analog output	[%]		0,1	
Short-circuit protection			yes	
Measuring/setting range				
Resolution			8192 steps; 16 revolutions; 17 bit	
Accuracy / deviations				
Accuracy			± 0.02 % FSO	
Repeatability			± 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; (on the housing: IP 65)	
Tests / approvals				
MTTF	[years]		241	
Mechanical data				
Weight	[g]		561	
Material			housing: steel; wire drum: aluminum; wire: stainless steel polyamide coated	
Max. measuring length	[mm]		1900	
Wire drum circumference	[mm]		150	
Wire diameter	[mm]		0.45	
Wire connection			Ø 5 mm; (eyelet)	
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

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



1 L+

2 analog output

3 L-

4 Set2

5 Set1