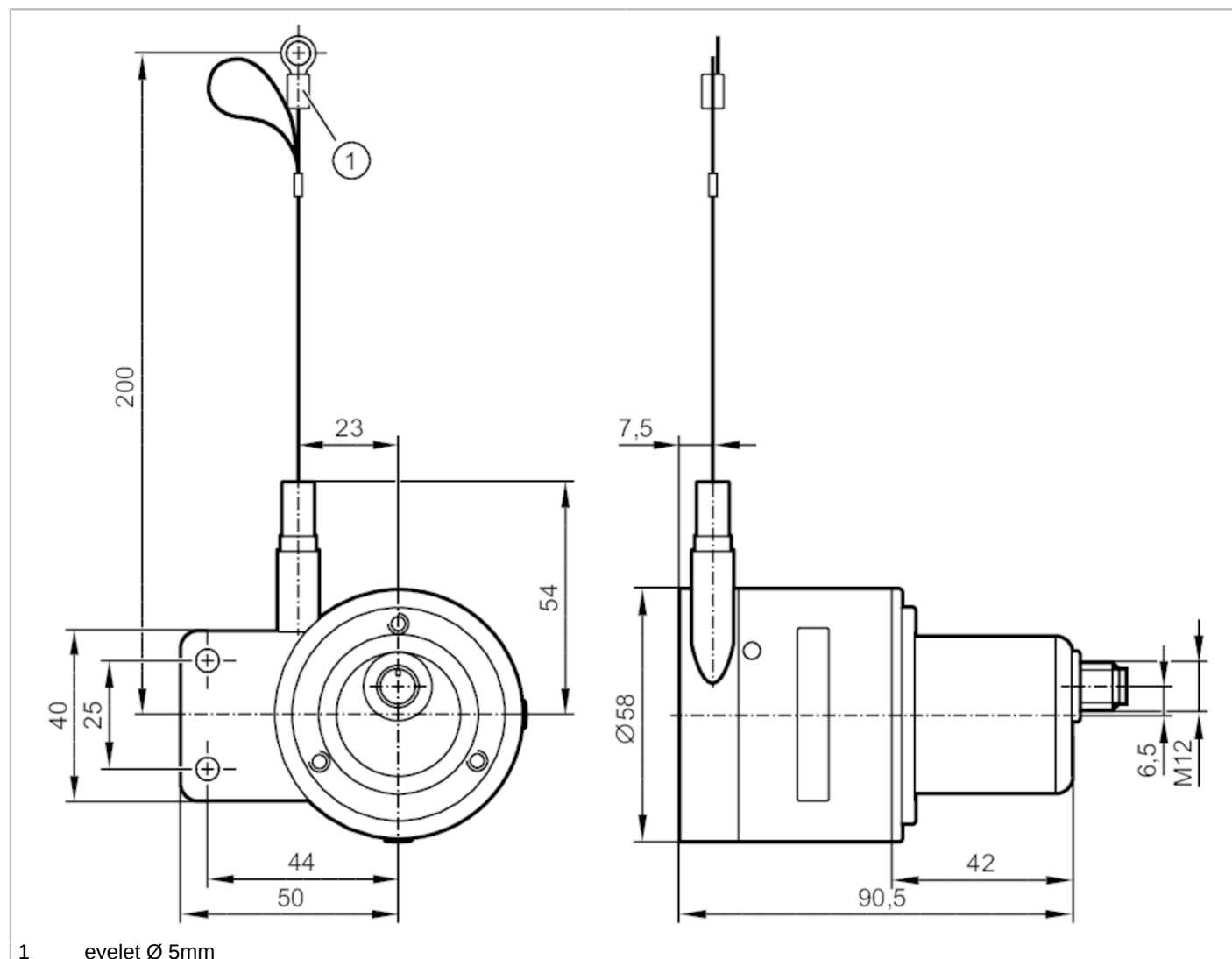


RMS001



Draw wire encoder

DRAW WIRE ENCODER



1 eyelet Ø 5mm



Product characteristics

Resolution	8192 steps; 16 revolutions; 17 bit
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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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Draw wire encoder

DRAW WIRE ENCODER

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



Draw wire encoder

DRAW WIRE ENCODER

Electrical connection

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



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