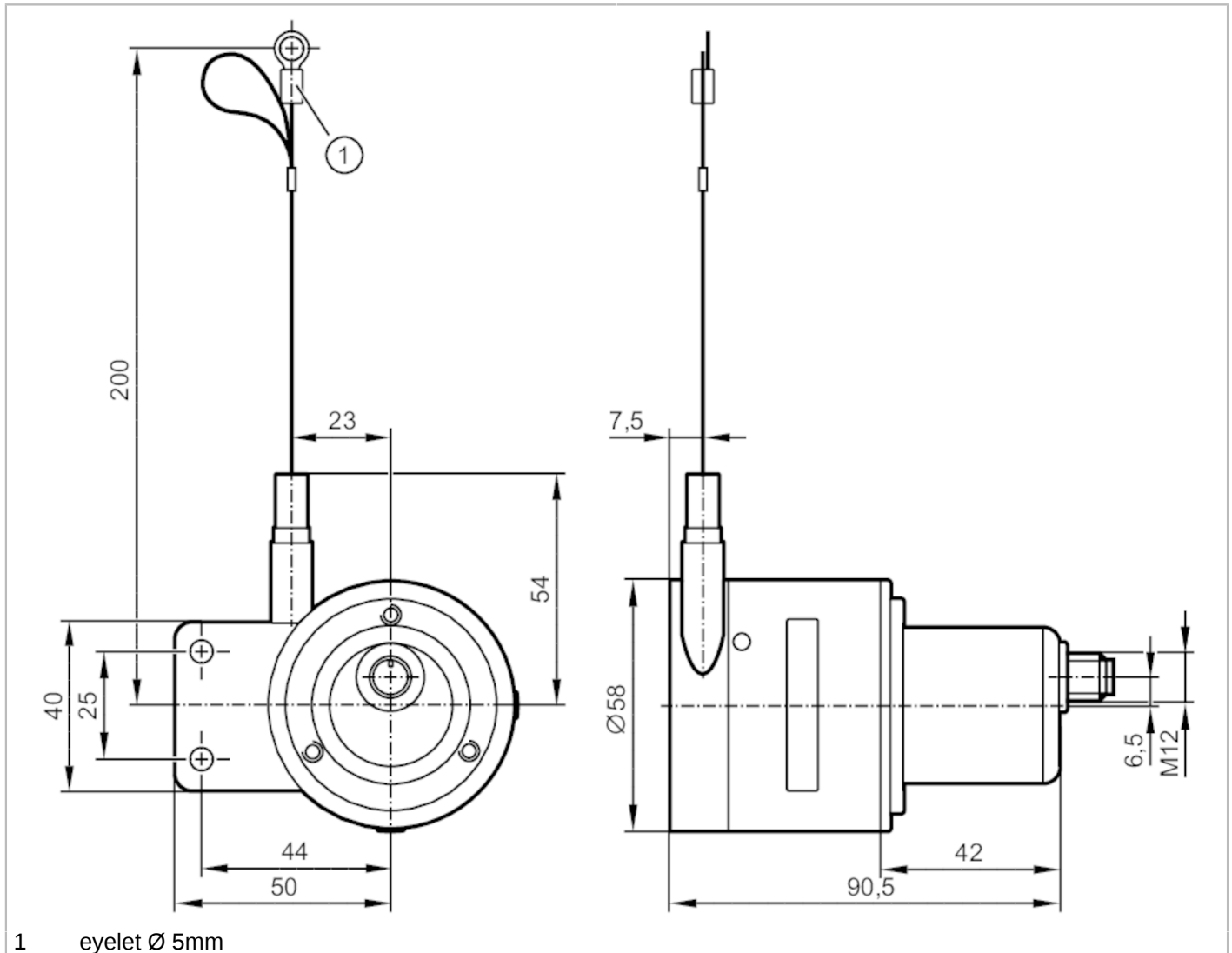


RMS001



Draw wire encoder

DRAW WIRE ENCODER



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

RMS001



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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	$\pm 0,006$ % FSO

Software / programming	
Parameter setting options	start position; end position; central position

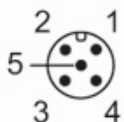
Operating conditions		
Ambient temperature	[$^{\circ}$ C]	-40...85
Storage temperature	[$^{\circ}$ C]	-40...85
Max. relative air humidity	[%]	95; (Condensation not permissible)
Protection		IP 64; (on the housing: IP 65)

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		\varnothing 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



RMS001



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DRAW WIRE ENCODER

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