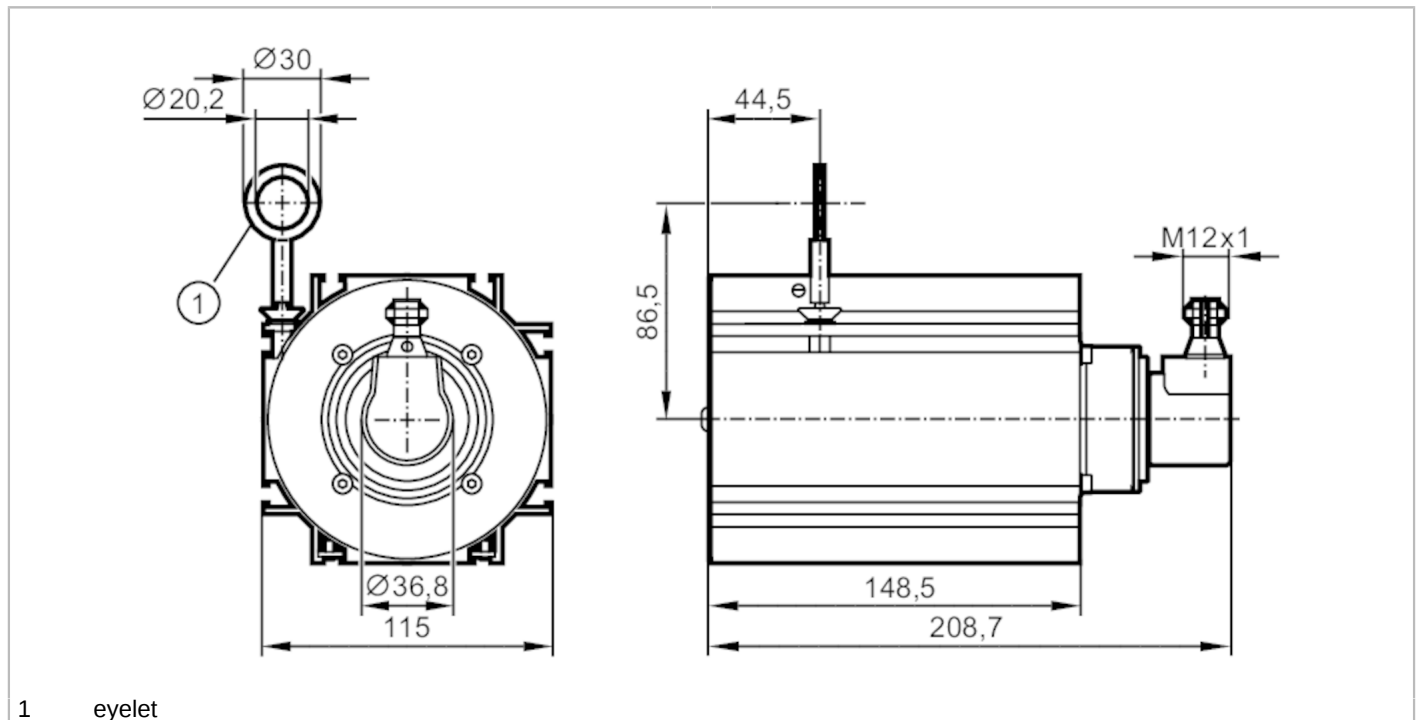


RMS005



Draw wire encoder

DRAW WIRE ENCODER



Product characteristics

Resolution	4096 steps; 4096 revolutions; 24 bit
Communication interface	CAN

Application

Function principle	absolute
Detection system	magnetic
Application	encoder

Electrical data

Operating voltage [V]	9...30 DC
Current consumption [mA]	50...100
Protection class	III
Reverse polarity protection	yes
Max. power-on delay time [ms]	500
Settling time [ms]	32

Outputs

Short-circuit proof	yes
Code	binary

Measuring/setting range

Resolution	4096 steps; 4096 revolutions; 24 bit
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Accuracy / deviations

Repeatability	± 0,001 % FSO
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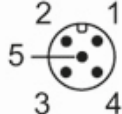
Software / programming

Parameter setting options	CAN parameter; scaling; preset; Baud rate; direction of rotation; node ID
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Draw wire encoder

DRAW WIRE ENCODER

Interfaces			
Communication interface		CAN	
Protocol		CANopen	
Factory settings		Baud rate: 125 kBit/s	
		node ID: 32	
Version		DSP - 406 V3.1; DS 301 V4.02; DS 306 V2.0	
Operating conditions			
Ambient temperature	[°C]	-20...80	
Storage temperature	[°C]	-20...80	
Max. relative air humidity	[%]	95; (condensation not permissible)	
Protection		IP 64; (on the housing: IP 65)	
Tests / approvals			
MTTF	[years]	240	
Mechanical data			
Weight	[g]	3684.5	
Materials		housing: steel; wire drum: aluminium; plastics; wire: stainless steel polyamide coated	
Max. measuring length	[mm]	10000	
Wire drum circumference	[mm]	315	
Wire diameter	[mm]	1	
Wire connection		Ø 20,2 mm; (eyelet)	
Wire properties	max. speed of wire displacement	[m /s]	2
	max. wire acceleration	[g]	6
	max. extension force	[N]	21
	max. retraction force	[N]	8
Displays / operating elements			
Display	readiness for operation	LED, green	
	Operating mode	LED, green flashing	
	fault	LED, red flashing	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
Connector: 1 x M12, can be used radially; coding: A			
			
1 CAN_GND 2 VBBc 3 GND (PE) 4 CAN_High 5 CAN_Low			