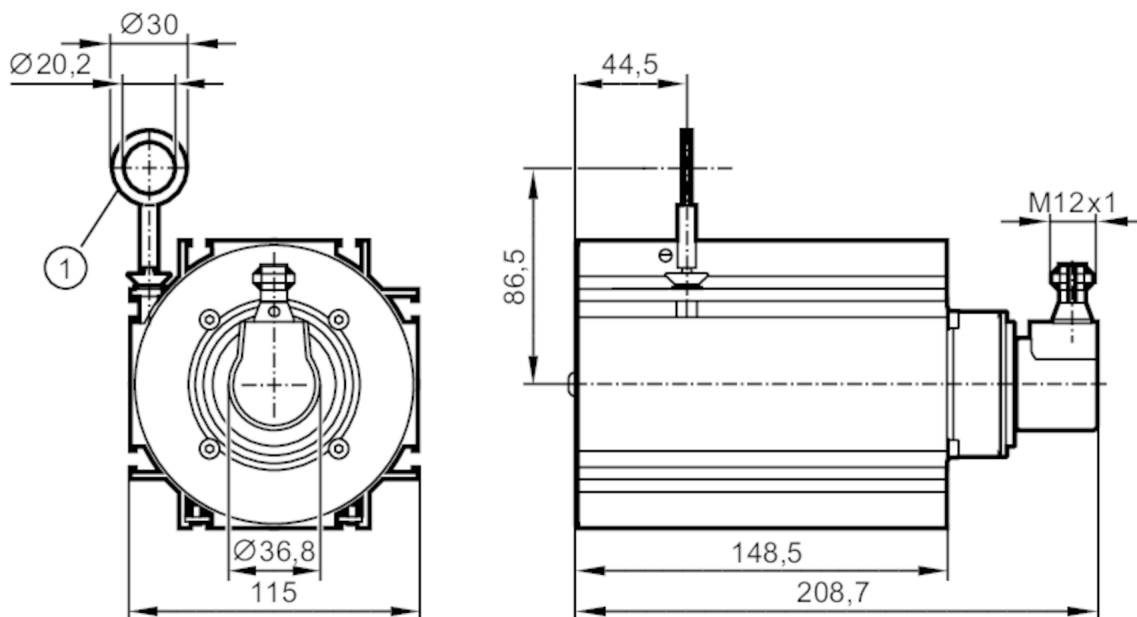


RMS005



Draw wire encoder

DRAW WIRE ENCODER



1 eyelet



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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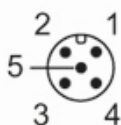
Software / programming

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	[ANN]	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
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		