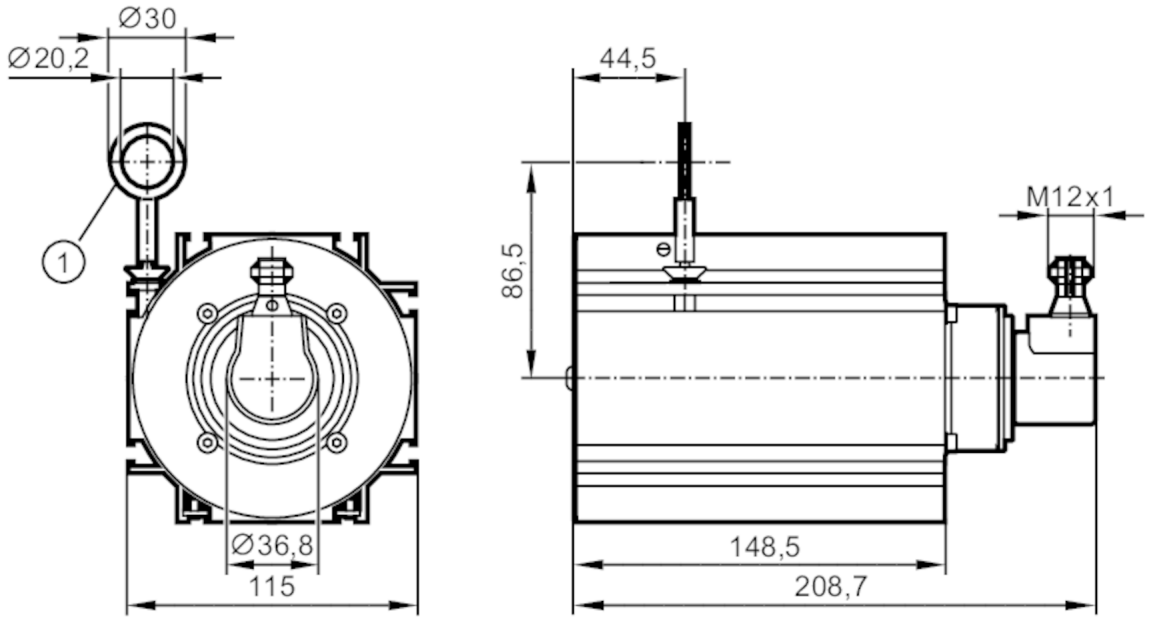
RMS005

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
Accuracy / deviations		
Repeatability		± 0,001 % FSO
Software / programming		
Parameter setting options		CAN parameter; scaling; preset; Baud rate; direction of rotation; Node ID

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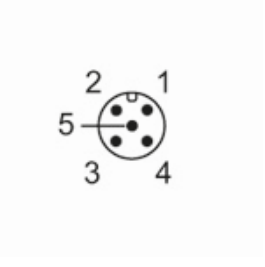
Interfaces				
Communication interface		CAN		
Protocol		CANopen		
Factory settings		Baud rate: 125 kBit/s		
		node ID: 32		
Version		DSP - 406 V3.1; DS 301 V4.02; DS 306 V2.0		
Operating conditions				
Ambient temperature	[°C]	-20...80		
Storage temperature	[°C]	-20...80		
Max. relative air humidity	[%]	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	

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