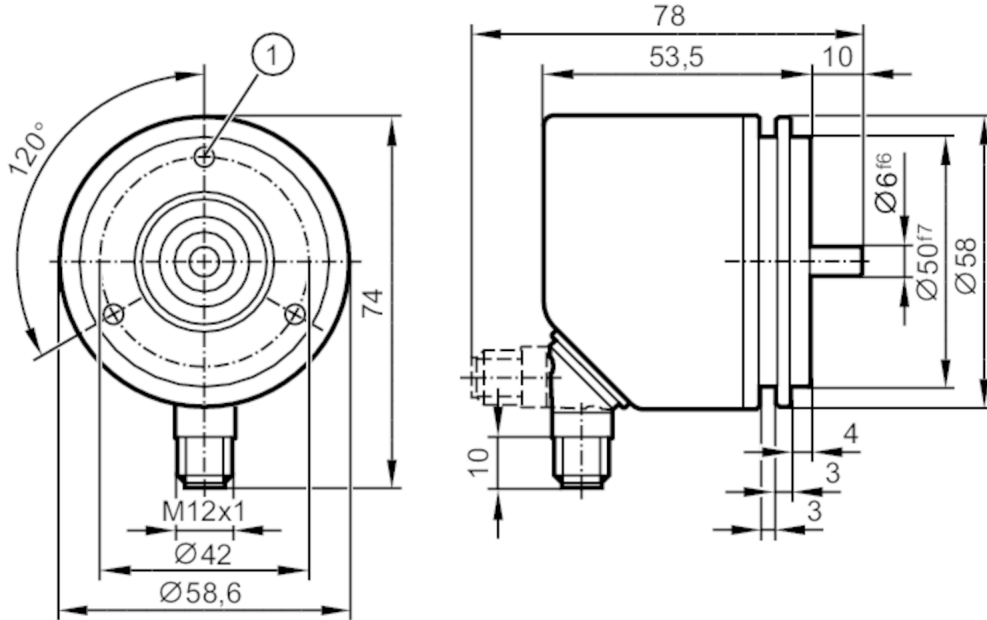


RMU100



Analogue 13 bit multiturn encoder with 4-20 mA output

RMU06SVU513--bANI



1 M4 x 0.7 Depth 6 mm

Product characteristics

Resolution	8192 steps; 16 revolutions; 17 bit
Shaft design	solid shaft
Shaft diameter [mm]	6

Application

Function principle	absolute
Detection system	magnetic

Electrical data

Operating voltage	[V]	8...30 DC
Current consumption	[mA]	< 150
Protection class		III
Reverse polarity protection		yes
Max. power-on delay time	[ms]	500
Settling time	[ms]	32
Max. revolution electrical	[U/min]	12000

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1
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Outputs

Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. load [Ω]	500
Factory setting	16 x 360°
Short-circuit protection	yes

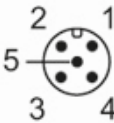
Measuring/setting range

Resolution	8192 steps; 16 revolutions; 17 bit
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Analogue 13 bit multiturn encoder with 4-20 mA output

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Accuracy / deviations		
Accuracy	20 mA ± 20 µA; (accuracy INL: ± 0.1 °)	
Linearity deviation	± 0,15 % FSO	
Software / programming		
Parameter setting options	start position; end position; (maximum 65536 x 360°)	
Operating conditions		
Ambient temperature	[°C]	-40...85
Storage temperature	[°C]	-40...85
Max. relative air humidity	[%]	95; (condensation not permissible)
Protection	IP 65; (on the housing: IP67)	
Tests / approvals		
Shock resistance	EN 60068-2-27	100 g half-sine / 6 ms
Vibration resistance	EN 60068-2-29	10 g half-sine / 16 ms
MTTF	[years]	241
Mechanical data		
Weight	[g]	347.6
Dimensions	[mm]	Ø 58.6 / L = 63.5
Materials	flange: aluminium; housing: stainless steel (444/1.4521)	
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	1
Reference temperature torque	[°C]	20
Shaft design	solid shaft	
Shaft diameter	[mm]	6
Shaft material	stainless steel	
Max. shaft load axial (at the shaft end)	[N]	40
Max. shaft load radial (at the shaft end)	[N]	60
Fixing flange	synchro-flange	
Electrical connection - plug		
Connector: 1 x M12, radial, can also be used axially; coding: A; Moulded body: stainless steel (316 / 1.4401); Maximum cable length: 100 m		
		
1	L+	
2	OUT	
3	L-	
4	Set 2	
5	Set 1	
	Screen plug	