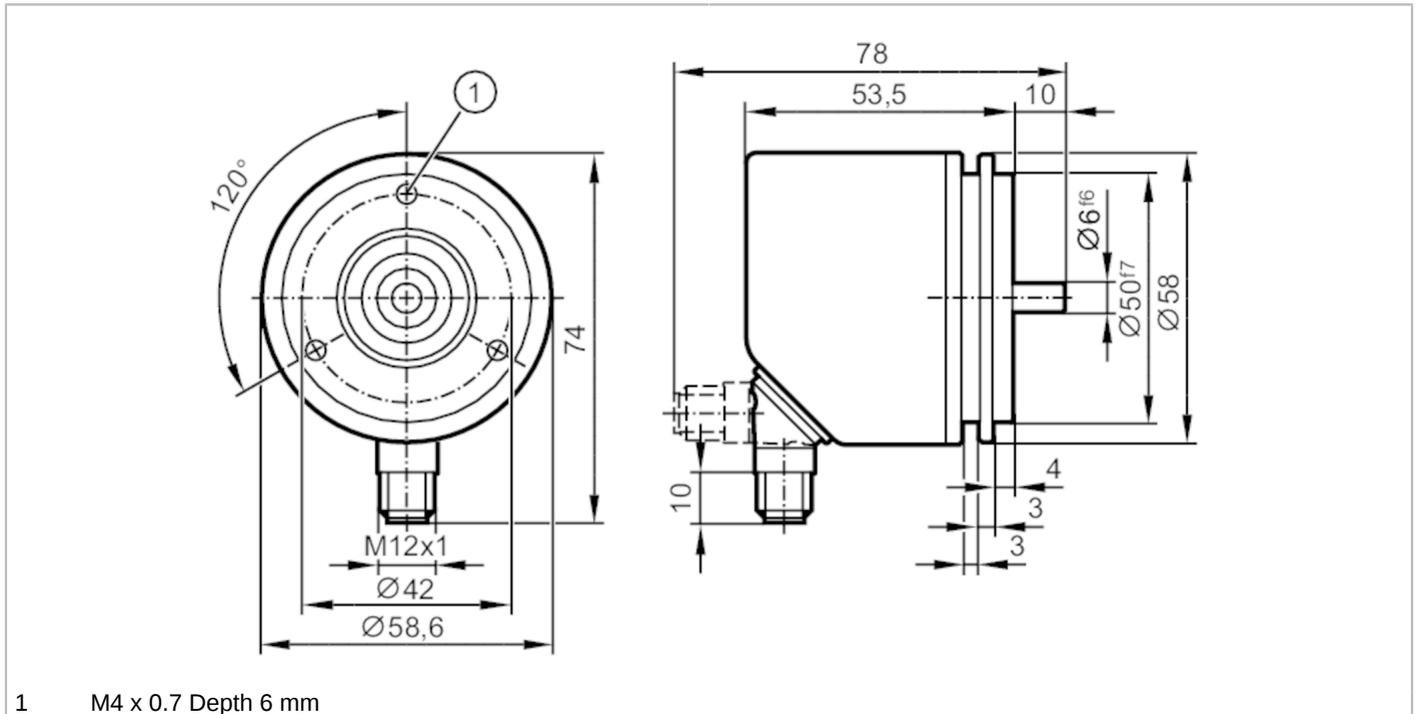


RMU400



Absolute multiturn encoder as 24 bit version

RMU06SVU81212bSSI



Product characteristics	
Resolution	4096 steps; 4096 revolutions
Communication interface	SSI data interface
Shaft design	solid shaft
Shaft diameter [mm]	6
Application	
Function principle	absolute
Detection system	magnetic
Electrical data	
Operating voltage [V]	4.5...30 DC
Protection class	III
Reverse polarity protection	yes
Max. power-on delay time [ms]	500
Settling time [ms]	32
Max. revolution electrical [U/min]	12000
Outputs	
Short-circuit protection	yes
Code	Gray code; (increasing code values when turned clockwise (seen on the shaft))
Code signal	Clock input; TTL-compatible signals; clock and clock (inv.) from drivers to RS 422; data output; synchronous serial; TTL-compatible signal data and data (inv.)
Measuring/setting range	
Resolution	4096 steps; 4096 revolutions
Accuracy / deviations	
Accuracy	±0.1 INL

RMU400



Absolute multiturn encoder as 24 bit version

RMU06SVU81212bSSI

Software / programming		
Parameter setting options	Zero point; Direction of rotation	
Interfaces		
Communication interface	SSI data interface	
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]	350
Mechanical data		
Weight	[g]	348.1
Housing	tubular	
Dimensions	[mm]	Ø 58.6 / L = 63.5
Material	flange: aluminum; housing: stainless steel (1.4521 / 444)	
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	0.01
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	
Remarks		
Pack quantity	1 pcs.	

RMU400

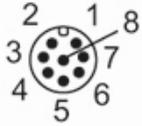


Absolute multiturn encoder as 24 bit version

RMU06SVU81212bSSI

Electrical connection - plug

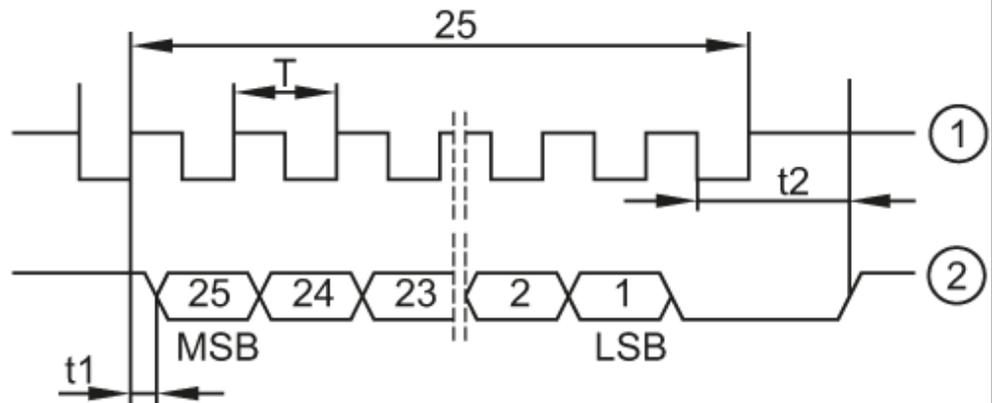
Connector: 1 x M12, radial, can also be used axially; coding: A; Moulded body: stainless steel (1.4401 / 316); Maximum cable length: 100 m



1	L+
2	clock
3	L-
4	clock (inv.)
5	data
6	data (inv.)
7	reset to zero
8	reversal of direction of rotation screen plug

Diagrams and graphs

Pulse diagram



- 1 clock
- 2 data