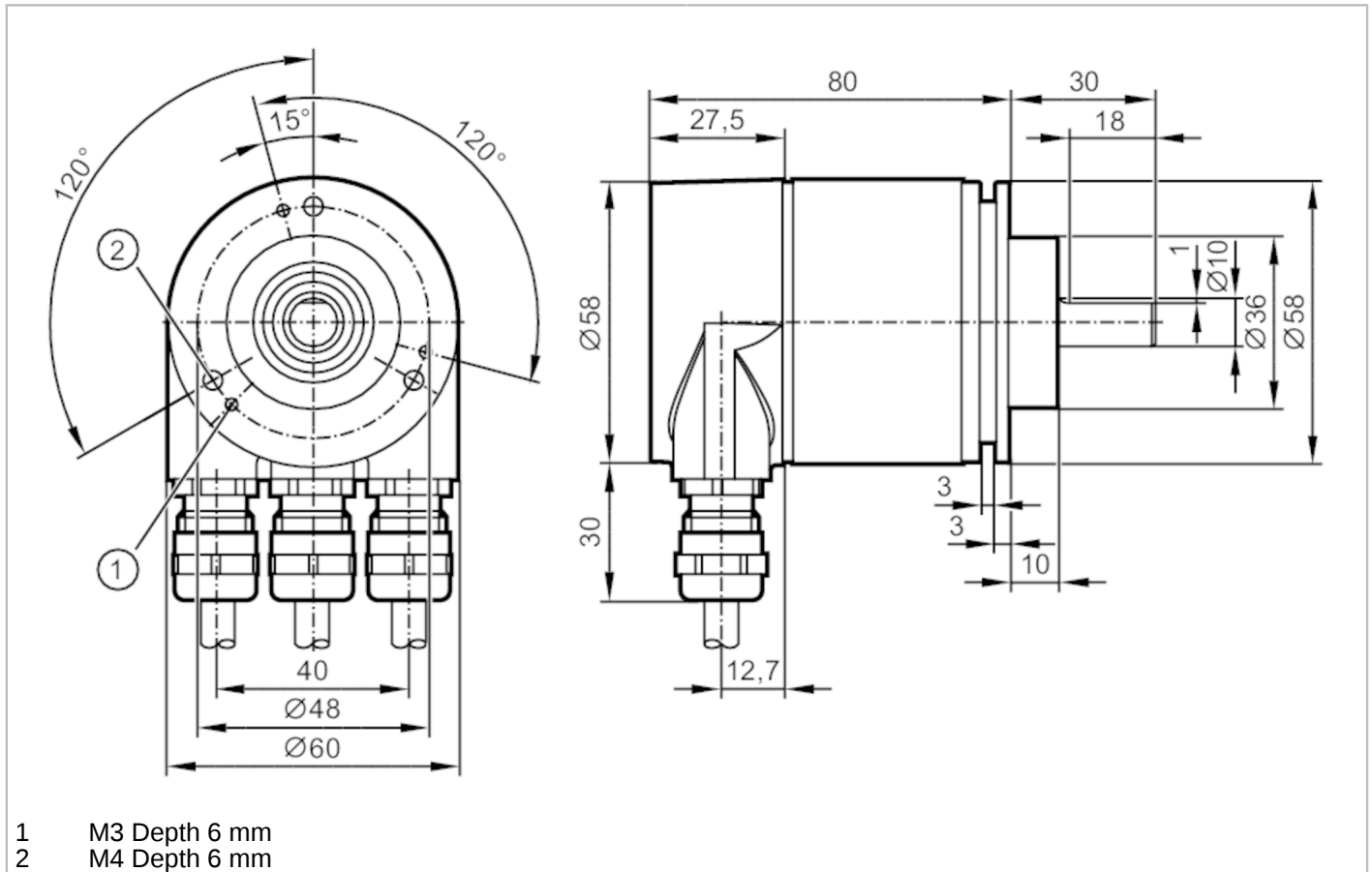


# RM7013



## Absolute multiturn encoder with solid shaft

RMK0025-H24/E



### Product characteristics

Resolution	8192 steps; 4096 revolutions; 25 bit
Communication interface	DeviceNet
Shaft design	solid shaft
Shaft diameter [mm]	10

### Application

Function principle	absolute
Revolution type	multiturn

### Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	230; ((10 V DC); 100 (24 V DC))
Reverse polarity protection	yes

### Outputs

Short-circuit protection	yes
Code	binary

### Measuring/setting range

Resolution	8192 steps; 4096 revolutions; 25 bit
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Software / programming	
Parameter setting options	resolution per revolution; total resolution; direction of rotation; preset value; Type of operation; MAC ID; Baud rate
Addressing	address selector switch; 0...99; terminating resistor
Interfaces	
Communication interface	DeviceNet
DeviceNet	
Protocol	CIP (Common Industrial Protocol)
Operating conditions	
Ambient temperature [°C]	-40...85
Max. relative air humidity [%]	98
Protection	IP 67
Tests / approvals	
Shock resistance	100 g (6 ms)
Vibration resistance	10 g (10...1000 Hz)
MTTF [years]	13
Mechanical data	
Weight [g]	592
Dimensions [mm]	Ø 58 / L = 110
Materials	housing cap: aluminium; housing: steel
Max. revolution, mechanical [U/min]	12000
Shaft design	solid shaft
Shaft diameter [mm]	10
Shaft material	stainless steel (1.4305 / 303)
Max. shaft load axial (at the shaft end) [N]	40
Max. shaft load radial (at the shaft end) [N]	110
Fixing flange	clamping flange
Electrical connection	
terminal strip in the terminal chamber:	