

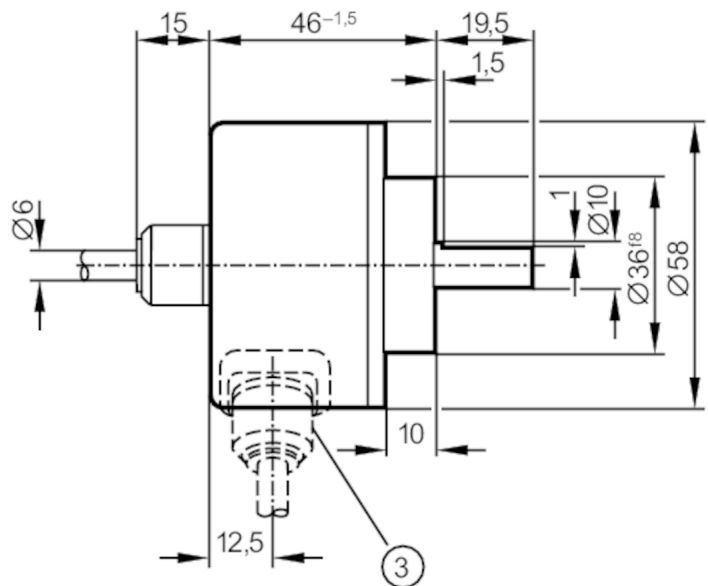
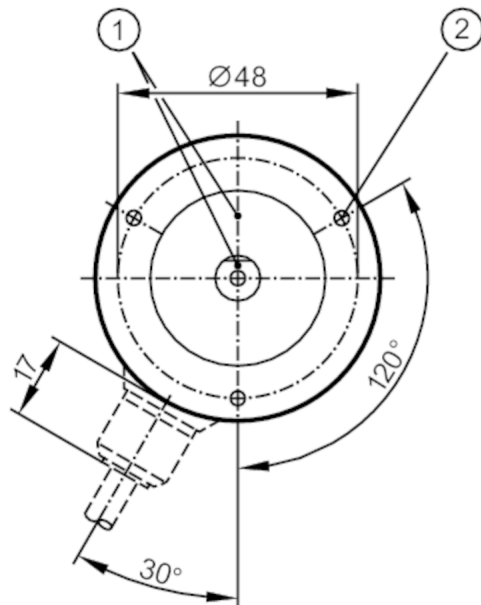
RV6143



Incremental encoder with solid shaft

RV-2000-I24/N6

Article no longer available - archive entry



- 1 reference mark
- 2 M3 Depth 5 mm



Product characteristics		
Resolution		2000 resolution
Shaft design		solid shaft
Shaft diameter	[mm]	10
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	150
Outputs		
Electrical design		HTL
Max. current load per output	[mA]	50
Switching frequency	[kHz]	300
Type of short-circuit protection		< 60 s
Phase difference A und B	[°]	90
Measuring/setting range		
Resolution		2000 resolution
Operating conditions		
Ambient temperature	[°C]	-30...85
Note on ambient temperature		firmly laid cable
Storage temperature	[°C]	-30...100
Protection		IP 64

RV6143



Incremental encoder with solid shaft

RV-2000-I24/N6

Tests / approvals

Shock resistance	100 g (6 ms)
Vibration resistance	10 g (55...2000 Hz)

Mechanical data

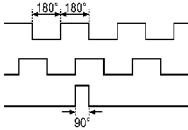
Dimensions [mm]	Ø 58 / L = 46
Material	aluminum
Max. revolution, mechanical [U/min]	12000
Max. starting torque [Nm]	1
Reference temperature torque [°C]	20
Shaft design	solid shaft
Shaft diameter [mm]	10
Shaft material	steel (1.4104)
Max. shaft load axial (at the shaft end) [N]	10
Max. shaft load radial (at the shaft end) [N]	20

Electrical connection

Cable: 6 m, PUR; radial

brown	A
green	A inverted
grey	B
pink	B inverted
red	0 index
black	0 index inverted
blue	L+ sensor
white	0V sensor
brown/green	L+ (Up)
white/green	0V (Un)
lilac	error inverted
screen	housing

Diagrams and graphs

Pulse diagram	 Direction of rotation clockwise (looking at the shaft)
---------------	--