## **RB6001**

## Incremental encoder with solid shaft

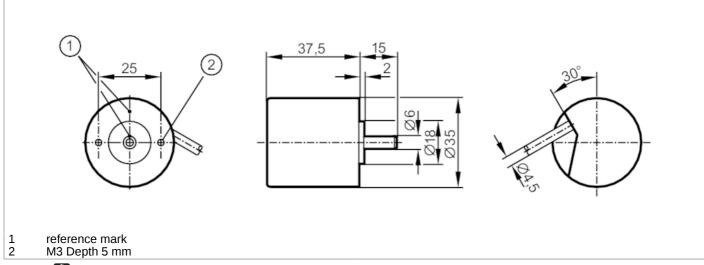




### Article no longer available - archive entry

#### Alternative articles: RB3500

When selecting an alternative article and accessories please note that technical data may differ!





Product characteristics		
Resolution		10 resolution
Shaft design		solid shaft
Shaft diameter	[mm]	6
Application		
Function principle		incremental
Electrical data		
Operating voltage	[V]	1030 DC
Current consumption	[mA]	150
Outputs		
Electrical design		HTL
Max. current load per output	[mA]	50
Switching frequency	[kHz]	160
Type of short-circuit protection		< 60 s
Phase difference A and B	[°]	90
Measuring/setting range		
Resolution		10 resolution
Operating conditions		
Ambient temperature	[°C]	-4070
Note on ambient temperature		for firmly laid cable
Max. relative air humidity	[%]	75; (briefly: 95 %)
Protection		IP 64

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Tests / approvals				
		100 a (6 ma)		
Shock resistance Vibration resistance		100 g (6 ms) 10 g (552000 Hz)		
		10 g (552000 Hz)		
Mechanical data				
Weight	[g]	267.4		
Dimensions	[mm]	Ø 35 / L = 52.5		
Materials		aluminium		
Max. revolution, mechanical [U/min]		10000		
Max. starting torque [Nm]		1		
Reference temperature torque	[°C]	20		
Shaft design		solid shaft		
Shaft diameter [mm]		6		
Shaft material		steel (1.4104)		
Max. shaft load axial (at the shaft end)	[N]	5		
Max. shaft load radial (at the shaft end)	[N]	10		
Electrical connection				
Cable: 2 m, PUR; radial, can also be used axially				
brown green 0 V A grey pink 0 V B red 0 index black 0 V 0 index brown/green white/green lilac screen A 0 V A B C V D II				
Diagrams and graphs				
Pulse diagram		direction of rotation clockwise (looking at the shaft)		