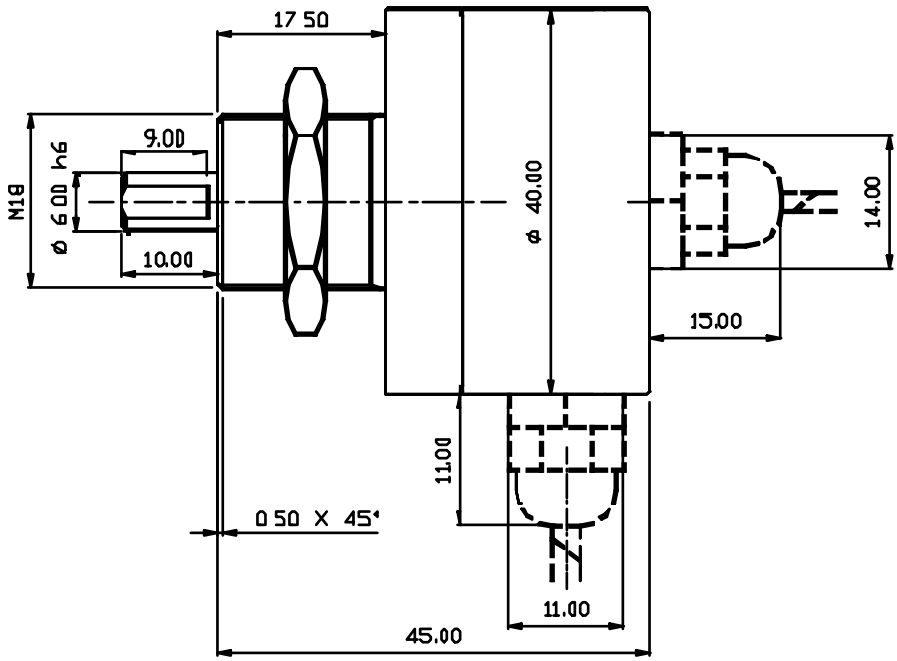
Series 21

Very compact incremental shaft encoder, light-weight

Mechanics Data

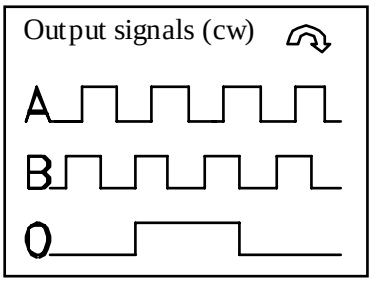
Body and cover:	Chromium-Plated Brass
Shaft:	Stainless steel
Bearings:	2, ballraces
Weight:	Approx.150gr.
Protection:	IP65
Rpm:	6000 Max
Torque:	3Ncm
Inertia:	5gcm²
Shaft loading:	Axial 30N - Radial 30N (max. value)
Tightening torque lockring:	250Ncm

Dimension in mm.



Series 21

Electronics Data



Power supply:	from 5 to 24V depends on the electronics circuit
Current consumption	40/80mA depends on the electronics circuit
Permissible load:	20mA
Frequency:	100KHz
Protections:	Against short circuit, reversal polarity
Operating Temp.:	-20/+60°C

Ordering code

Series **2 1 - 2 1 * * * / *Pulses*** (Max 1250)

See page 4

Outputs

7	0	=	AB	NPN	5..24V
0	0	=	AB0	NPN	5..24V
7	A	=	AB	Open C.	5..24V
0	A	=	AB0	Open C.	5..24V
2	B	=	AB+$\overline{AB}$	PP	8..24V
1	B	=	AB0+$\overline{AB0}$	PP	8..24V
6	0	=	AB+$\overline{AB}$	LD	5V
8	0	=	AB0+$\overline{AB0}$	LD	5V

Connections

0 = Cable 5P Axial
2 = Cable 8P Axial
1 = 9415 9P Axial.
3 = 9414 5P Axial
R = Cable 5P Radial
8 = Cable 8P Radial

Connections

	0 Volt	**+ Volt**	**A**	**B**	**$\overline{A}$**	**$\overline{B}$**	**0**	**$\overline{0}$**
Cable 5 Way	White	Brown	Green	Yellow			Gray	
Cable 8 Way	Black	Blue	Brown	Beige	Green	Yellow	Pink	Violet
Connector 9415	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
Connector 9414	Pin1	Pin2	Pin3	Pin4			Pin5	