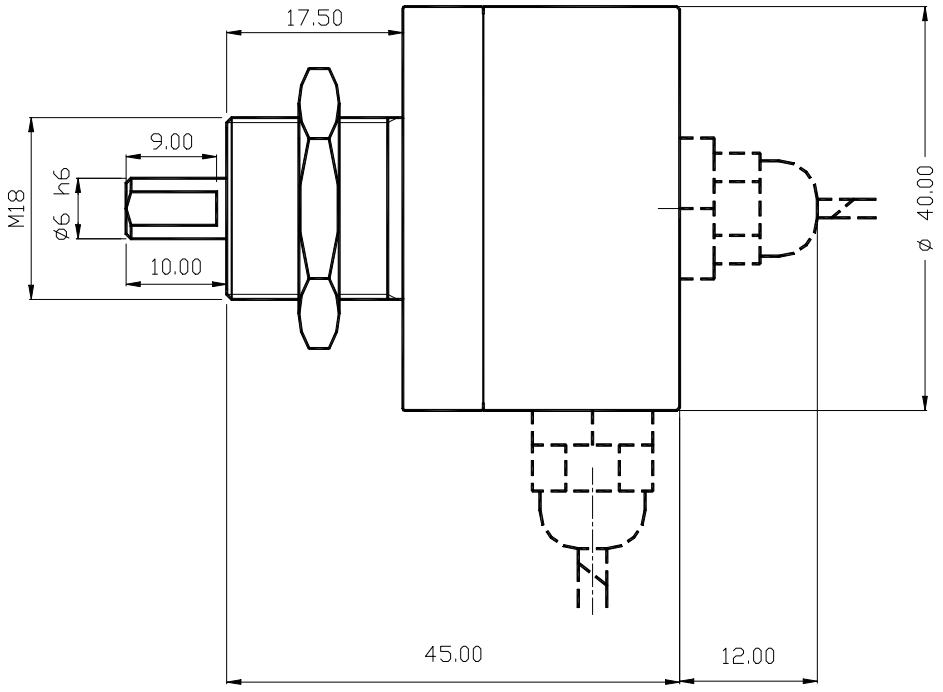
Series 21

Very compact incremental shaft encoder, light-weight

Mechanics Data

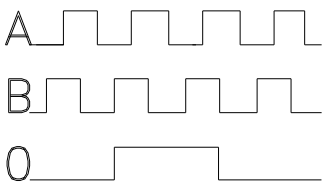
Cover :	ABS nickel-plated
Body :	Zn+Al+Mg alloy
Shaft:	Stainless steel
Bearings:	2, ballraces
Weight:	Approx.150gr.
Protection:	IP65
Rpm:	6000 Max
Torque:	3Ncm
Inertia:	5gcm²
Shaft loading:	Axial 30N - Radial 30N (max. value)
Tightening torque lockring:	250Ncm

Dimension in mm.



Series 21

Output signals (cw)



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 pulses page

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
8	W	=	AB0+$\overline{AB0}$	LD	5V (0 hooked +90°)

Connections

0	=	Cable 5P Axial
R	=	Cable 5P Radial
3	=	9414 5P Axial
1	=	9415 9P Axial
7	=	9415 9P Radial
2	=	Cable 8P Axial
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	