



İMAJ TEKNİK
ELEKTRİK ELEKTRONİK MALZ. SAN. VE TİC. LTD. ŞTİ

hohner

HOHNER AUTOMAZIONE SRL

Series BS

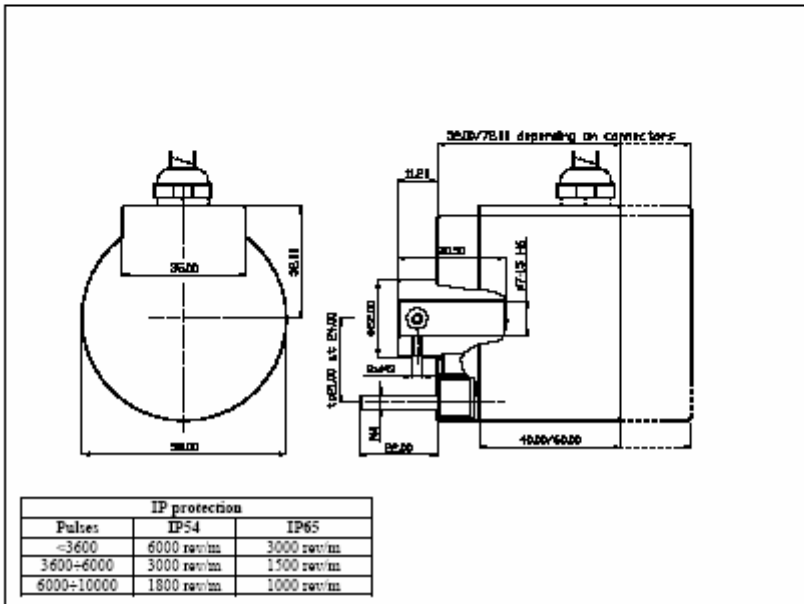
Incremental semi-hollow shaft encoder

Mechanics Data

Cover: Lacquered aluminium
 Body: Aluminium
 Solid shaft: Stainless steel
 Bearings: 2 ballraces
 Weight: Approx. 300gr.
 Protection: IP54 (IP65 on request, Max 3000RPM)
 Rpm: 6000 Max
 Torque: 5Ncm
 Inertia: 100gcm²
 Shaft loading: Axial 50N - Radial 50N
 (the value decrease when the number of pulis increase)



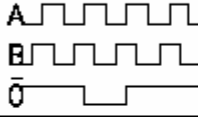

Dimensions in mm.



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Series BS

Electronics Data

Output signals (cw) 

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

Ordering code

Series		* * * *				Pulses (Max 10000)	
Shaft	Output	Connections		Options			
7 = 0 7mm	2 = AB	2 = 9414	Radial	0 = None			
8 = 0 8mm	3 = AB $\bar{0}$	0 = 9414	Axial	1 = High zero pulse			
0 = 0 10mm	N = AB+ $\bar{A}\bar{B}$	3 = Cable	Radial	Z = Synchronised zero			
3 = 0 11mm	P = AB $\bar{0}$ + $\bar{A}\bar{B}\bar{0}$	9 = Cable	Axial	Pulse to 180° only			
2 = 0 12mm	B = AB	4 = 9418	Radial	for Line Driver			
4 = 0 14mm	C = AB $\bar{0}$	6 = 9418	Axial	W = Synchronised zero			
1 = 0 15mm	G = AB	5 = 9416	Radial	Pulse to 90° only			
	H = AB $\bar{0}$	E = 9416	Axial	for Line Driver			
	5 = AB+ $\bar{A}\bar{B}$	7 = 9419	Radial	A = Special			
	6 = AB $\bar{0}$ + $\bar{A}\bar{B}\bar{0}$	8 = 9419	Axial	connections			
	8 = AB+ $\bar{A}\bar{B}$	B = 9415	Radial	Y = Power supply			
	9 = AB $\bar{0}$ + $\bar{A}\bar{B}\bar{0}$	A = 9415	Axial	5/12V for output			
	S = AB+ $\bar{A}\bar{B}$	N = 9413	Axial	NPN/OC/PP			
	T = AB $\bar{0}$ + $\bar{A}\bar{B}\bar{0}$						
	K = AB $\bar{0}$ + $\bar{A}\bar{B}\bar{0}$						

Connections

	0 Volt	+ Volt	A	B	\bar{A}	\bar{B}	0	$\bar{0}$
Cable 5 Way	White	Brown	Green	Yellow				Gray
Cable 8 Way	Black	Blue	Brown	Beige	Green	Yellow	Pink	Violet
Connector 9414	Pin1	Pin2	Pin3	Pin4				Pin5
Connector 9416-9415-9413	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
Connector 9418	PinA	PinB	PinC	PinD	PinE	PinF		PinG
Connector 9419	PinA	PinB	PinC	PinD	PinE	PinF	PinG	PinH

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