

ACW4 SSI

SSI ABSOLUTE SINGLE TURN MODULAR



Features

- With its two-part design, the ACW4 absolute single-turn offers maximum flexibility for installation
- Rugged and excellent resistance to shock and vibration
- Robust, proven magnetic technology
- Environmentally resistant, IP 67 standard (IP69K option)
- Extended operating range from -40° C to 85° C
- Uses universal supply 5 to 30 VDC SSI Output
- Available Resolution up to 12 bits per revolution
- Variety of magnet holders available

Applications

- Factory Automation
- Process Automation

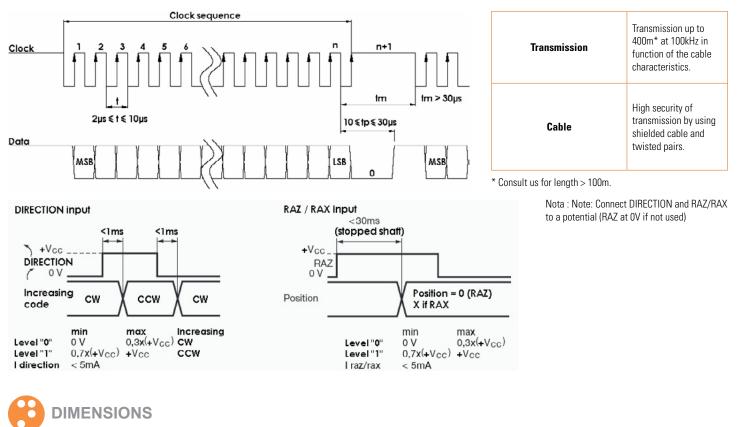
CE

SPECIFICATIONS

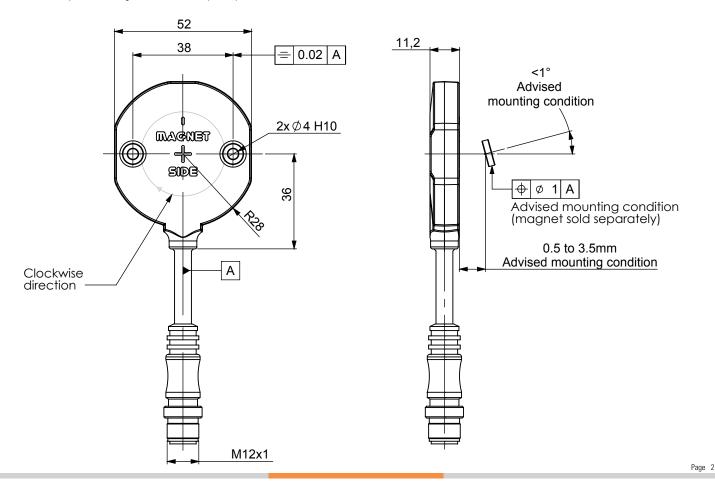
Mechanical

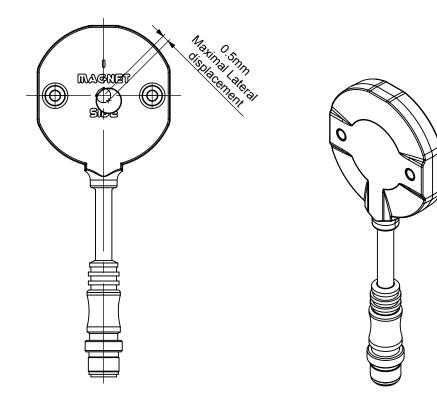
Terminations	PUR cable with M12 5 pin connector						
Housing	Macromelt PA638						
Weight	0,150 kg						
Electrical							
Electrical Angle	360°						
Output Function	SSI, 10% to 90% Duty Cycle, 2LP = 5Vdc; 5LP = 11 to 30 Vdc						
Minimal Cycle Time	1ms						
Resolution	Single –turn, 12 bits						
Accuracy	+/-0.3% on 360°						
Repeatability	+/-0.1% on 360°						
Supply Voltage	5V to 30 Vdc						
Start-up	<1s						
Response time	< 10 ms						
Recommended Load	> 10 kOhms						
Isolation	500 Veff						
Current Requirements	< 40mA						
Protection	Overvoltage Protection: Yes Reverse Polarity Protection: Yes Short Circuit Protection: Yes						
EMC	IEC 61000-4-2 Electrostatic discharge (ESD) 4 kV, 8 kV IEC 61000-4-3 Electromagnetic fields 10 V/m (80MHz - 1GHz), 3V/m (1.4GHz - 2GHz), 1V/m (2GHz - 2.7GHz) IEC 61000-4-4 Electrical fast transients (burst) 1 kV IEC 61000-4-6 Conducted disturbances, induced by RF-fields 10 Veff.						

SSI Transmission



All Dimensions are in millimeters. Shaft system with magnet to be ordered separately (see Accessories).







CONNECTOR PIN OUT

Ref.	Туре	+ Vcc	0 V	Clk+	Data+	RAZ	Data-	Clk-	Direction	Ground
S5	SSI cable PUR 8230/050	BN/GN Brown/ Green	WH/GN White/Green	GN Green	GY Gray	BU Blue	PK Pink	BN Brown	WH White	General shielding



Stray magnetic fields can interfere with accuracy and repeatability of the signal.



Example : ACW4_00//PCSB//12//S5R005

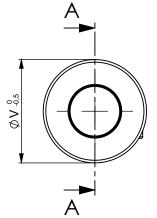
URDERING		>							
		(Contact the factory for special versions, ex : dimensions, connections)							
ACW4	00 //	Р	CS	В	//	12	//	S 5	R005
amily									
CW4: Absolute Single-Turn Se	ensor								
Shaft Ø									
00: Modular									
Supply/Output Stage –									
P: 5 to 30 Vdc									
Output Stage									
CS: SSI Without Parity									
Code									
B: Binary G: Gray									
Resolution									
12: 12 bits									
Connection									
55: SSI PUR Cable									
Orientation									
R005: Radial cable 50cm long									

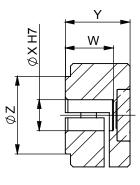


Female magnet support + Magnet 8810/013 Ordering p/n : M9105/Kxx

KXX: Where XX is the shaft mounting diameter in mm. Standards are 06, 08, 10, 11, and 14 mm. i.e M9105/K10 mounts to a 10 mm shaft.





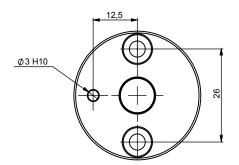


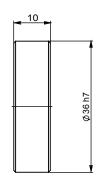
SECTION A-A

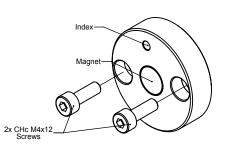
	M9105/K06	M9105/K08	M9105/K10	M9105/K11	M9105/K14
W	6 H7	8 H7	10 H7	11 H7	14 H7
X	20	20	26	26	29
Y	12,5	12,5	14	14	14
Z	15	15	15	15	18

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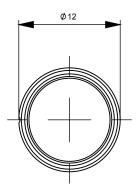
Frontal magnet support + Magnet 8810/013 Ordering p/n : M9105/F26

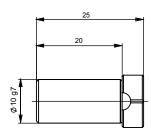


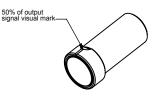




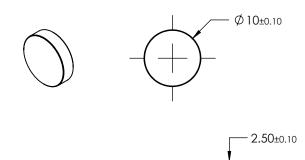
Male magnet support + Magnet 8810/013 Ordering p/n : M9105/M10-01







Magnet Ordering p/n : **8810/013**



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