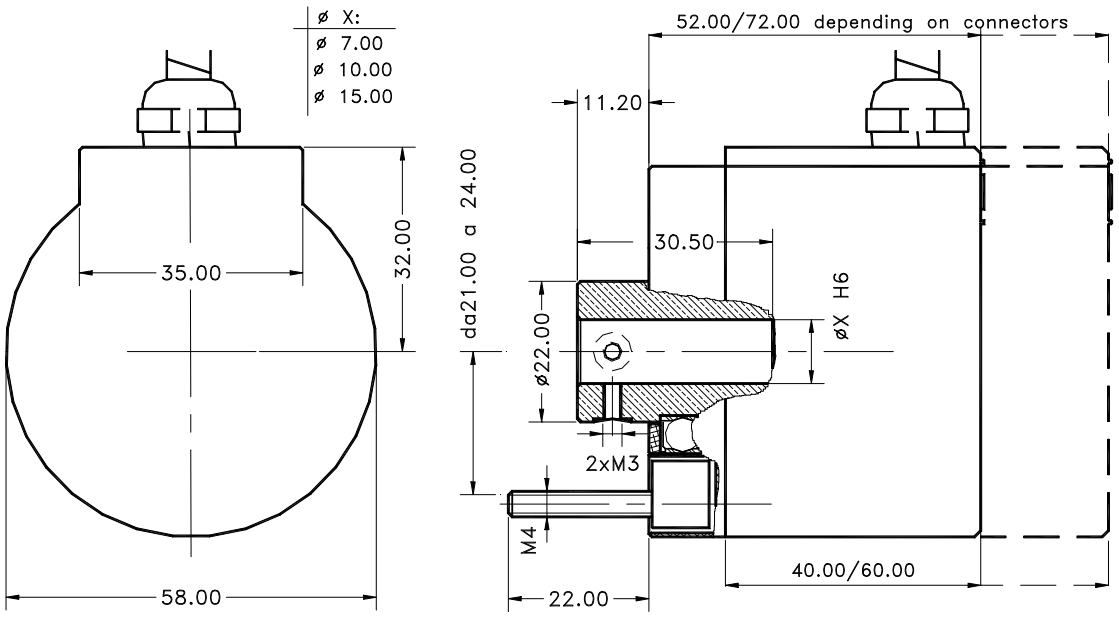
Series AS

Absolute semi-hollow shaft encoder (ø58mm)

Mechanics Data

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

Dimensions in mm.



Series AS

Electronics Data

Power supply:	from 5 to 24V depends on the electronics circuit
Current consumption:	40/80mA depends on the electronics circuit
Permissible load:	40mA
Frequency:	50KHz (standard in LSB)
Protections:	Against short circuit, reversal polarity
Operating Temp.:	-20/+60°C

Ordering code

Series | A | S | - | * | * | * | * | / | ***Pulses*** (Max 4.096)

See page pulses

Shaft

7 = Ø 7mm
0 = Ø 10mm
2 = Ø 12mm
4 = Ø 14mm
1 = Ø 15mm

Outputs

1 = GRAY NPN 11/24V
2 = GRAY Push-Pull 11/24V
3 = GRAY TTL 5V
4 = BIN. NPN 11/24V
5 = BIN. Push-Pull 11/24V
6 = BIN. TTL 5V
7 = BCD NPN 11/24V
8 = BCD Push-Pull 11/24V
9 = BCD TTL 5V

Options

A = None
B = Open coll.
P = Parity even
D = Parity odd
E = GRAY Excess
S = Strobe

Connections

3 = Cable Radial
9 = Cable Axial
R = 9413 Radial
N = 9413 Axial

5 = 9416/9426 Rad.
2 = 9416/9426 Axial

Connections

	0 Volt	+ Volt	0 2	1 2	2 2	3 2	4 2	5 2	6 2	7 2	8 2	9 2	10 2	11 2	M	DIR <->
Connector 9416 12p	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11					P12
Connector 9426 16p	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16
Connector 9413 25p	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16
Cable	BLACK	BLUE	BROWN	BEIGE	GREEN	YELLOW	PINK	VIOLET	ORANGE	TRASPAR	WHITE RED	WHITE BLUE	GREEN WHITE	VIOLET WHITE	YELLOW GREEN	YELLOW WHITE

Connections legend:
M = optional outputs:
DIR <-> = is the signal direction: clockwise or counter clockwise
Clockwise standard
Anticlockwise connect DIR <-> to **0Volt**.