

MECHANICAL DATA

Dimensions	Encoder: $\varnothing 20$
	Rotor: $\varnothing 15$
Material	Encoder: Aluminum
	Rotor: Aluminum
Weight	Encoder: ~20g (except cable)
	Rotor: ~5g

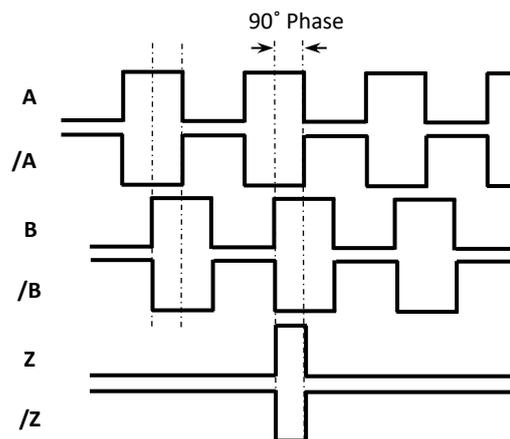
ENVIRONMENTAL DATA

Protection Class	IP68
Operating Temp.	-40°C...+85°C
Storage Temp.	-40°C...+85°C

Measuring type	Magnetic, non-contact
Resolution	Resolution options between 1 and 1024 pulses
Operating Speed	30.000 RPM max.
Response Frequency	2 MHz
Current Consumption	35 mA
Supply & Output Type	TTL Line Driver
	Supply 5 VDC
	Output 5 VDC TTL
Output Signals	A, /A, B, /B, Z, /Z
Output Current	100 mA max. (per channel)
Electrical Connection	5 or 8x0,14 mm ² shielded cable (500 mm max)

ELECTRICAL CONNECTION

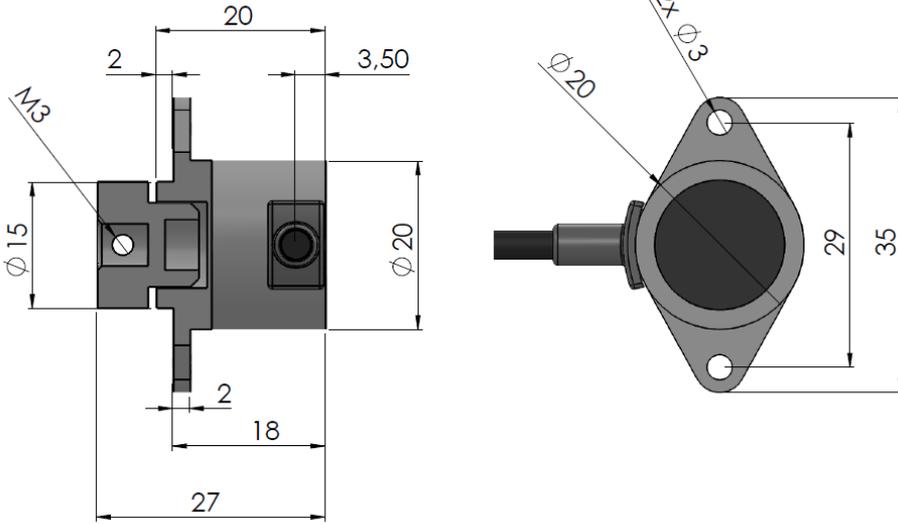
SIGNAL	CABLE COLOR
A	YELLOW
/B	WHITE
+V	RED
0 V	BLACK
/A	BLUE
B	GREEN
/Z	GREY
Z	PINK



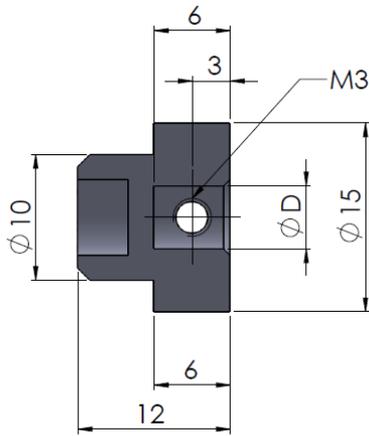
The table above shows the cable colors of the sensor output signals. If the control circuit is suitable in the Line Driver sensors of the not output signals (/A, /B, /Z) have to be added to the system. If it is not suitable /A, /B, /Z signal cables must be fixed as insulated separately. Don't forget that these edges have electricity too.

MECHANICAL DIMENSIONS AND MAGNET POSITION TOLERANCES

Body

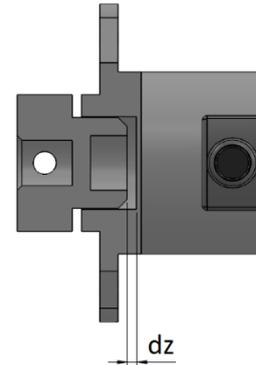


Rotor



ØD: 3mm ... 8mm
*Optional others

Air gap dz = 0,7 – 1,4 mm



ORDER CODE

ARS	Type	XXX	XXXX	XXX	X	XX	XX
Model	T : Non-contact	Body Diameter 020 : 20 mm	Resolution All resolution options from 1 to 1024 pulses.	Supply and Output TTL : 5 VDC Supply : 5 VDC TTL RS422 Line Driver Out.	Output Signals 2 (A,B) 3 (A,B,Z) 4 (A,/A,B,/B) 6 (A,/A,B,/B,Z,/Z)	Cable Length 500mm : 500mm (standard)	Rotor Hole Diameter Selectable from 3mm to 8mm *Optional others