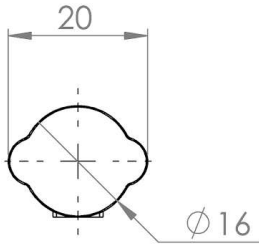
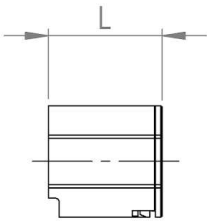
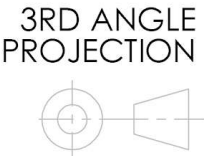
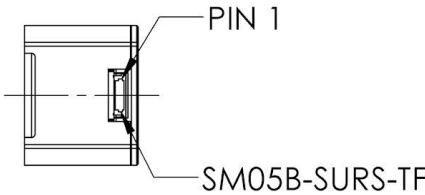


420-IMX Encoder (incremental magnetic)
Ø20mm / with custom resolutions / connection interfaces



DIMENSIONS ARE IN mm
SURFACE FINISH: N7
TOLERANCES:
LINEAR: ± 0.2
ANGULAR: $\pm 1^\circ$



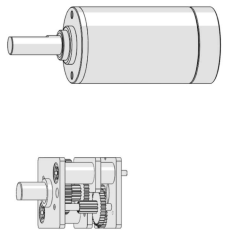
Key data		Units	Standard version	Custom design
B	Body width	mm	20	
C	Body length (L)	mm	Combination dependent	
D	Encoder technology		Magnetic	
E	Encoder type		Incremental	
F	Number of channels		3	Customizations available on request
G	Output type		2 ch. quadrature	
H	Index channel		Available	
I	Max. resolution (counts per turn)		4096	Please contact support@pmdri.com
J	Ambient temperature	°C	min -30	
		°C	max +100	
K	Weight	g	2.5	

Specifications	Units	Encoder Output Signals
1 Supply voltage	V	3.3 - 5.0
2 Typical current consumption	mA	10
3 Max. motor speed	RPM	30 000
4 Connector		JST SM05B-SURS-TF
	Pin 1	Vcc
	Pin 2	GND
	Pin 3	Ch. A
	Pin 4	Ch. B
	Pin 5	Ch. I

In CW (clockwise) direction as seen from the front of the motor

Combinations - contact support@pmdri.com for details

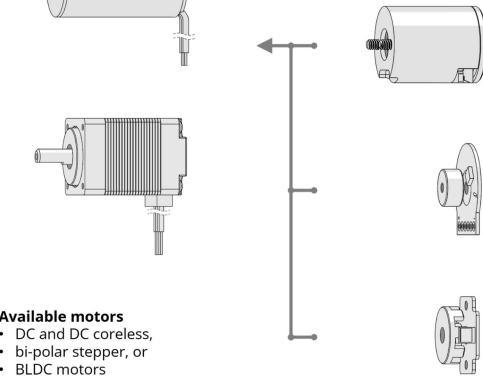
Planetary Gearbox
Ø10 - 28mm
10-500mNm Continuous Torque



Spur Gearbox
Ø12 - 20mm
5-200mNm Continuous Torque



Magnetic or Optical encoders
outputs: A,B,N or Hu, Hv, Hw
(up to 2048 CPT)



Available motors
• DC and DC coreless,
• bi-polar stepper, or
• BLDC motors



Encoder only sold as combination with motor / gearbox. Final combination length to be confirmed by Precision Microdrives