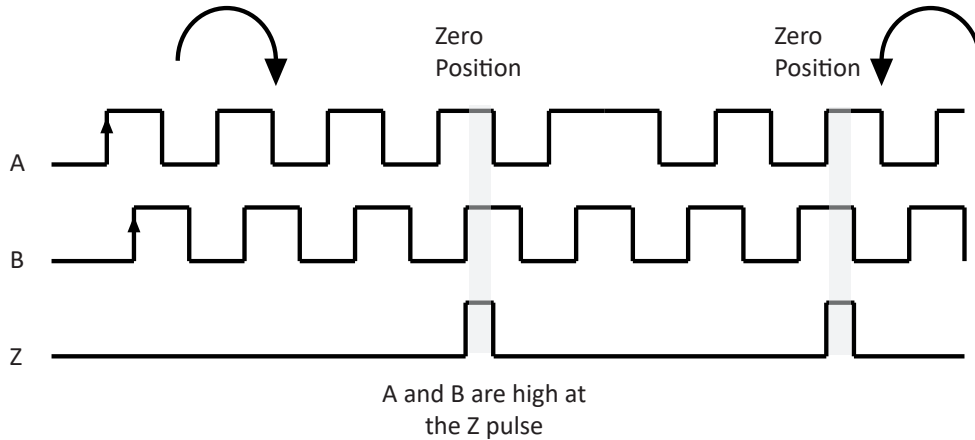


## GENERAL INFORMATION

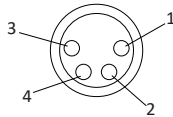
Incremental output provides count and direction information through pulses and a phase shift between output channels A and B. Channel A leads channel B at clockwise rotation of the magnet by 90 degrees, while channel B leads channel A at a counter-clockwise rotation. In addition, an index output is provided once per rotation. The incremental output can be a single-ended (A, B, and Z) or differential output (A, B, Z, and A', B', Z').



### AB Output

**4 pin M8 male (connection code: M8)**

Pin	Encoder Function
1	Power (+V)
2	Common
3	Data A
4	Data B

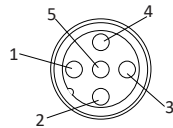


### ABZ Output

**5 pin M12 male (connection code: M12)**

**5 pin M12 male on Pigtail (connection code: M12P)**

Pin	Encoder Function
1	Power (+V)
2	Data B
3	Common
4	Data A
5	Data Z



**5 conductor cable with flying leads (connection code: 5C)**

	Encoder Function
Brown	Power (+V)
Blue	Common
Black	Data A
White	Data B
Gray	Data Z

**5 pin terminal block (connection code: TRM)**

Pin	Encoder Function
1	Power (+V)
2	Common
3	Data A
4	Data B
5	Data Z

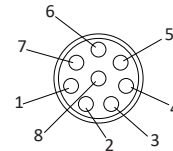


### ABZ A'B'Z' Output

**8 pin M12 male (model designation: 8M12)**

**8 pin M12 male on Pigtail (model designation 8M12P)**

Pin	Encoder Function
1	Data A
2	Power (V+)
3	Data A'
4	Data B
5	Data B'
6	Data Z
7	Common
8	Data Z'



**8 conductor cable with flying leads (model designation: 8C)**

	Encoder Function
Brown	Power (+V)
Blue	Common
White	Data A
Green	Data B
Gray	Data Z
Yellow	Data A'
Red	Data B'
Pink	Data Z'

### Output Details

7272 Push-pull driver, 40mA sink or source