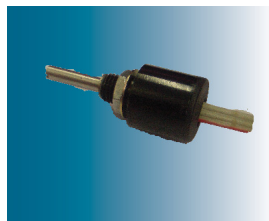


Miniature : SPI Rotary Position Sensor

RotaCol® miniature type contactless SPI interface rotary position sensors range are available in plastic and metal housing with 12 mm housing diameter in bush, flange, no shaft flange and servo type. Bushing size : M6X0.75 / 1/4"X32 UNEF / 3/8"X32 TPI with shaft diameters of 3, 6mm, 1/4" and 1/8" are available. The Serial Peripheral Interface (SPI) is a bus system for a serial synchronous data transmission between different integrated circuits. The bus consists of 4 lines MOSI (Master Out --> Slave In), MISO (Master In <-- Slave Out), SCLK -(Serial Clock, output from master) and SS - Slave Select (active low; output from master). By these signal lines the master selects the slave for communication. Full duplex 4 wire SPI output is available.

12P M/Z MCB

Bush Mount : 12 mm Ø *Miniline* SPI Rotary Position Sensor



Interconnection :
6 core flat cable

Link for Datasheet :
www.rotacol.info/12pmmcb.pdf
www.rotacol.info/12pzmcmb.pdf

- 12 mm Ø metal housing
- Precision Miniature bushing mount
- SPI output - 4 wire
- Low cost , Hall effect technology
- Bushing :
Metric M6 X 0.75 (MMCB)
Inch 1/4" X 32 UNEF (ZMCB)
- shaft diameter :
Metric : 3mm (MMCB)
Inch : 1/8" (ZMCB)
- Sleeve bearings
- Interconnection : 6 core flat cable
0.15 mtr long

Type 12P M/Z MCB

Electrical angle	0 - 360°
Supply voltage	3.3V±10% / 5V ± 10%
Output signal	Absolute SPI - (4 wire) 3.3V, 5V SPI Single channel
Resolution steps	16383 (14 bit)
Mech.speed (max)	800 rpm
Elec. speed (max)	800 rpm
Life (rotations)	~ 5 million

13P M/Z MCB

Bush Mount : 12 mm Ø *Miniline* SPI Rotary Position Sensor



Interconnection :
Terminal block

Link for Datasheet :
www.rotacol.info/13pmmcb.pdf
www.rotacol.info/13pzmcmb.pdf

- 12 mm Ø metal housing
- Precision Miniature bushing mount
- Low cost , Hall effect technology
- SPI output - 4 wire
- Bushing : 3/8" X 32 UNEF
- Shaft diameter :
Metric 6mm (MMCB)
Inch 1/4" (ZMCB)
- Compact size, long life
- Sleeve bearing
- Interconnection : terminal block.

Type 13P M/Z MCB

Electrical angle	0 - 360°
Supply voltage	3.3V±10% / 5V ± 10%
Output signal	Absolute SPI - (4 wire) 3.3V, 5V SPI Single channel
Resolution steps	16383 (14 bit)
Elec.speed (max)	800 rpm
Life (rotations)	~ 5 million

12P M/Z MCS

Servo mount : 12 mm Ø *Miniline* SPI Rotary Position Sensor



Interconnection -
6 core flat cable

Link for Datasheet :
www.rotacol.info/12pmmcs.pdf
www.rotacol.info/12pzmcsc.pdf

- 12 mm Ø metal housing
- Precision Miniature servo mount
- Hall effect technology
- Aluminium housing with stainless steel shaft
- Shaft diameter :
Metric : 3mm Ø (MMCS)
Inch : 1/8" Ø (ZMCS)
- 2 Precision Ball bearings
- SPI output - 4 wire
- Interconnection : 6 core flat cable
0.15 mtr long

Type 12P M/Z MCS

Electrical angle	0-360°
Supply voltage	3.3V±10% ; 5V±10%
Output signal	Absolute SPI - (4 wire) 3.3V, 5V SPI Single channel
Resolution steps	16383 (14 bit)
Mech.speed (max)	3000 rpm
Elec. speed (max)	800 rpm
Life (rotations)	~ 15 mil. rotations

13P MCK



Interconnection - Terminal block

Link for Datasheet :
www.rotacol.info/13pmck.pdf

No Shaft Flange : 30 mm Ø *MiniLine* SPI Rotary Position Sensor

- 12mm Ø plastic housing
- Miniature type
- Contactless Hall effect technology
- SPI output
- Magnet on user shaft
- No bearings, no wear, long life
- Blind hole diameter : 9.5mm Ø
- Interconnection : Terminal block

Type	13P MCK
Electrical angle	0 - 360°
Supply voltage	3.3V±10% / 5V ± 10%
Output signal	Absolute SPI - (4 wire) 3.3V, 5V SPI Single channel
Resolution steps	16383 (14 bit)
Elec.speed (max)	800 rpm