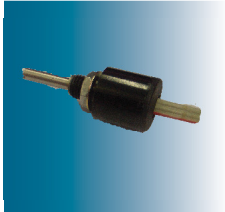


Miniature : Analog Rotary Position Sensor

RotaCol® miniature type contactless rotary position sensors range are available in plastic and metal housing with 12, 15 & 22 mm housing diameter. Mounting methods such as bushing, flange and servo type are available. Also No Shaft Flange mounting version is available. Bushing size : M6X0.75 / 1/4"X32 UNEF / 3/8"X32 TPI with shaft diameters of 3mm, 6mm, 1/4" and 1/8" \varnothing are available. Bushing has sleeve bearing and servo has ball bearing. Miniature No Shaft Flange has mounting disc. Miniature flange mountings are available in 15 and 22mm \varnothing housing diameters. They have ball bearing.

12A M/Z MCB



Interconnection : Flat cable

Link for Datasheet :
www.rotacol.info/12ammcb.pdf
www.rotacol.info/12azmcb.pdf

Bush Mount : 12 mm \varnothing Miniline Analog Rotary Position Sensor

- 12 mm \varnothing metal housing
- Precision Miniature bushing mount
- 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 bearing
- Interconnection : 3 core flat cable 0.15 mtr long

Type	12A M/Z MCB
Electrical angle	0 - 20° to 0 - 360° in 1°step prog. (std 360°)
Supply voltage	5V \pm 10%
Output signal	0-5V ratiometric; Single channel
Resolution steps	4096 (12 bit)
Mech.speed (max)	800 rpm
Elec. speed (max)	160 rpm
Life (rotations)	~ 5 mil. rotations

13A M/Z MCB



Interconnection :
Terminal block

Link for Datasheet :
www.rotacol.info/13ammcb.pdf
www.rotacol.info/13azmcb.pdf

Bush Mount : 12 mm \varnothing Miniline Analog Rotary Position Sensor

- 12 mm \varnothing metal housing
- Precision Miniature bushing mount
- Low cost , Hall effect technology
- 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	13A M/Z MCB
Electrical angle	0 - 20° to 0 - 360° in 1°step prog. (std 360°)
Supply voltage	5V \pm 10%
Output signal	0-5V ratiometric; Single channel
Resolution steps	4096 (12 bit)
Elec.speed (max)	160 rpm
Life (rotations)	~ 5 mil. rotations

13A MCK



Interconnection -
Terminal block

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

No Shaft flange : 12mm \varnothing Miniline Analog Rotary Position Sensor

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

Type	13A MCK
Electrical angle	0-20° to 0-360° in 1°step prog. (std 360°)
Supply voltage	5V \pm 10%
Output signal	0-5V ratiometric; Single channel
Resolution steps	4096 (12 bit)
Elec.speed (max)	160 rpm

12A M/Z MCS



Interconnection :
Flat cable OCF

Link for Datasheet :
www.rotacol.info/12ammcs.pdf
www.rotacol.info/12azmcs.pdf

Servo Mount : 12 mm \varnothing Miniline Analog Rotary Position Sensor

- 12 mm \varnothing metal housing
- Precision Miniature servo mount
- Low cost , Hall effect technology
- 360° Mechanical & electrical angle
- Aluminium housing with stainless steel shaft
- Shaft diameter :
 Metric shaft : 3mm (MMCS)
 Inch shaft : 1/8" (ZMCS)
- 2 Precision Ball bearings
- Interconnection :
 3 core flat cable 0.15 mtr long

Type	12A M/Z MCS
Electrical angle	0-20° to 0-360° in 1°step prog. (std 360°)
Supply voltage	5V \pm 10%
Output signal	0-5V ratiometric; Single channel
Resolution steps	4096 (12 bit)
Mech.speed (max)	3000 rpm
Elec. speed (max)	160 rpm
Life (rotations)	~ 15 million

15A MCF

Flange Mount : 15 mm Ø *Miniline* Analog Rotary Position Sensor



Interconnection : 3 leads
multistrand wire 0.15mtr

[Link for Datasheet :](http://www.rotacol.info/15amcf.pdf)
www.rotacol.info/15amcf.pdf

- 15mm Ø Flange mount
- Miniature size
- Metal case, economical
- Contactless rotary Position sensor
- Available in 0-5V ratiometric
- Shaft diameter : 3mm Ø
- Ball bearing
- Interconnection :
3 leads multistrand wire 0.15mtr long

Type

15A MCF

Electrical angle	0-20° to 0-360° in 1°step prog. (standard 360°)
Supply voltage	5V±10%
Output signal	0-5V ratiometric;Single channel
Resolution steps	4096 (12 bit)
Mech.speed (max)	4000 rpm
Elec.speed (max)	160 rpm
Life (rotations)	~ 15 mil. rotations

22A MCF

Flange Mount : 22 mm Ø *Miniline* Analog Rotary Position Sensor



Interconnection : 3 leads
multistrand wire 0.15mtr

[Link for Datasheet :](http://www.rotacol.info/22amcf.pdf)
www.rotacol.info/22amcf.pdf

- 22mm Ø Flange mount
- Miniature size
- Metal case, economical
- Contactless rotary Position sensor
- Available in 0-5V ratiometric
- Shaft diameter : 6mm
- Ball bearing
- Interconnection :
3 leads multistrand wire 0.15mtr long

Type

22A MCF

Electrical angle	0-20° to 0-360° in 1°step prog. (standard 360°)
Supply voltage	5V±10%
Output signal	0-5V ratiometric;Single channel; 0-5V,0-10V; 4-20mA
Resolution steps	4096 (12 bit)
Mech.speed (max)	4000 rpm
Elec.speed (max)	160 rpm
Life (rotations)	~ 15 mil. rotations