

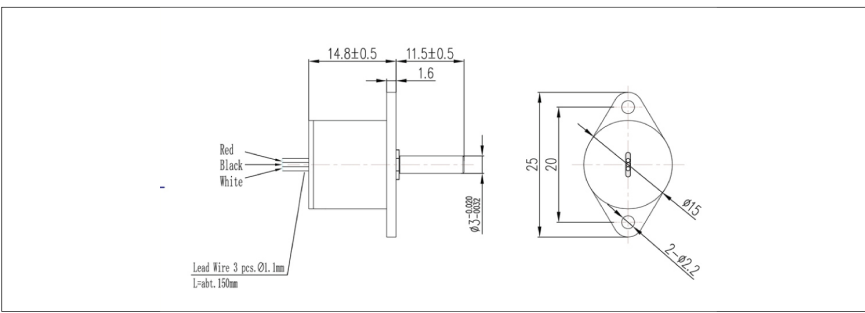
RotaCol® - *MiniLine* PRECISION PWM CONTACTLESS ROTARY POSITION SENSORS - FLANGE MOUNTING

Series 15W MCF



www.rotacol.info/15wmc.pdf

PWM - interface, Mini size 15mm housing flange, without endstop
Hall CMOS technology
Voltage output : 0-5V PWM Output
High performance metal case
Two ball bearings



V_{cc}-Supply (Red) OUT-Output (White) GND-Ground (Black)

ELECTRICAL CHARACTERISTICS

Electrical angle	0 to 360°	
Resolution	4096 step (12 bit)	
Independent linearity tolerance	± 0.3%	
Signal type	Supply voltage	Output signal
PWM	5V ±10%	PWM
Supply current (mA)	< 16 mA	
Update rate	0.6ms	

MECHANICAL CHARACTERISTICS

Mechanical angle	360°(continuous)	
Shaft diameter and length (FMS)	3mm Ø X 11.5mm	
Mechanical speed (Max.)	rpm	
Electrical speed (Max.)	160 rpm	
Rotational life	~15 million rotations	
Operating torque (approx)	< 0.1 Ncm	
Operating temperature range	- 30 to +80° C	
Protection	IP 65	
Weight	15 g	

MATERIAL

Housing	Aluminium anodized
Shaft	Stainless Steel
Bearing	Ball bearing
Cable	3 leads multistrand wire 0.15 m

OPTIONS AND ORDERING REFERENCES

Housing diameter	Pulse Width Modulated output	Miniline RotaCol	Flange (shaft Ø 3mm)	Signal	PWM	Angle of rotation	Electrical rotational direction	Special shaft length (standard 11.5mm FMS)	Special torque : low (0.5 Ncm)	Special cable length (std 0.15m)
15	W	MC	F	Sxxx	S PWM	O = without stop 360° continuous	Clockwise (CW) Counter clockwise (CCW)	Axx	xT	CVxx
15	W	MC	F	Sxxx		O360	CW/CCW	Axx	xT	CVxx
Example with description - 15 W MCF S0505 O360 CW - 15 mm housing, Pulse width modulated output, Miniline RotaCol, flange version / 3mm Ø shaft, 0-5V pulse width modulated output, without stop 360° clockwise										
Standard Version : 360° CW Electrical & Mechanical angle, 3 leads multistrand wire 0.15m										

For complete RotaCol Contactless Rotary Sensor product range refer - www.rotacol.info/rotamec.pdf

European Sales & Technical Support

MegAuto KG
 Am Tummelsgrund 48
 D 01156 Dresden, Germany
 Tel : +49 351 6587894 0 Fax : +49 351 6587894 9
 Email : info@megauto.de / www.megauto.de

Worldwide Technical & Marketing Center

MegAuto International, SensAll Division
 Div of Sendap Precision Electronics Pvt Ltd.
 3, Electronic Sadan - I, MIDC, Bhosari, Pune - 411026, INDIA
 Tel : +91 20 30681190 , +91 20 30626126
 Email : mail@megacraft.net / www.sensall.info

