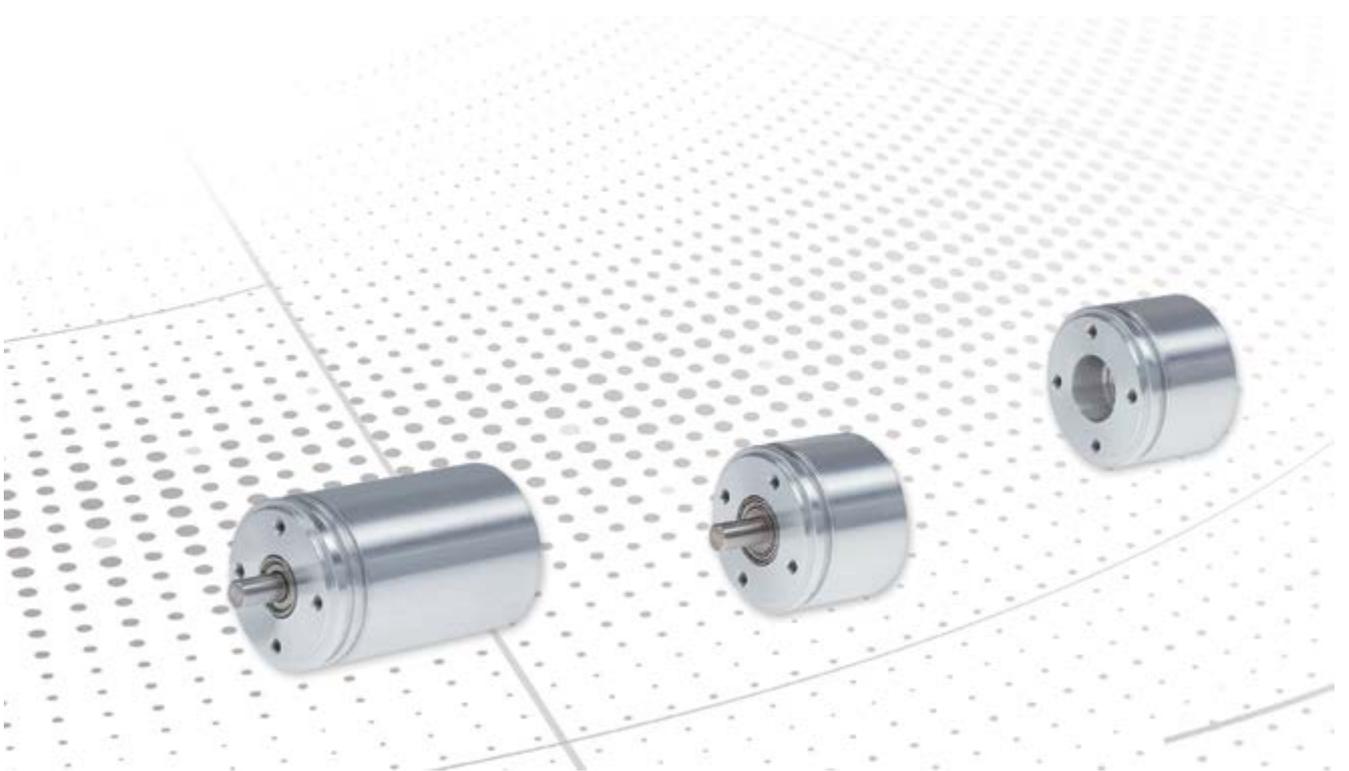


Rotary Encoder - Family C__36 - Housing 36 mm



Compact absolute rotary encoder family - also washdown safe (IP69K)

A new design size is taking the market by storm: with a diameter of 36 mm, advanced encoder technology is moving in where there is no room for typical industrial design sizes. And there is absolutely no need for the 36 mm series of encoders from TR to hide behind the bigger design sizes. The series is made up of incremental, single and real multi-turn rotary encoders, some with single-scan, some with double-scan functionality, and implemented according to the redundancy concept from the gears to the scan, power supply and interface. Compact encoders C__36 are available with magnetic and optic detection with up to 18 bit resolution per revolution.

Magnet detection (M)

Products	CMV36-S	CMV36-S+FS	CMV36-M
			
Detection	Magnet detection (M)	Magnet detection (M)	Magnet detection (M)
Single / multi	(S) Single	(S) Single	(M) Multi
Supply	11...27 VDC	11...27 VDC	11...27 VDC
Steps per turn	32, 40, 64, 80, 100, 128, 160, 200, 256, 320, 400, 500, 512, 1,000, 1,024, 1,600, 2,000, 2,048, 4,096, 8,192*	4096	32, 40, 64, 80, 100, 128, 160, 200, 256, 320, 400, 500, 512, 1,000, 1,024, 1,600, 2,000, 2,048, 4,096, 8,192*
Number of turns	1	1	4,096 (option: 16,777,216)
Shaft diameters available	6mm	6mm	6mm
Connectors	Cable gland axial	Cable gland axial	Cable gland axial, M12 axial (DRIVE CLiQ)
Maximum SIL/PL		SIL2/PLd	
Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C
Protection class	IP65 (option IP69k)	IP65 (option IP69k)	IP54 (option IP65)
Interface	SSI ASI Analog CAN	Analog	SSI  ASI CAN
Option, additional interfaces (on request)	INC	INC	INC
Weblink	www.tr-electronic.com/s/S007174		www.tr-electronic.com/s/S007175
QR-Code			

*Factory set

Can't find the right variant? Please contact us (info@tr-electronic.de)

Magnet detection (M)

Products	CMS36-M	CMF36-S	CDV36-S	
				
Detection	Magnet detection (M)	Magnet detection (M)	Magnet detection (M)	
Single / multi	(M) Multi	(S) Single	(S) Single	
Supply	11...27 VDC	11...27 VDC	11...27 VDC	
Steps per turn	32, 40, 64, 80, 100, 128, 160, 200, 256, 320, 400, 500, 512, 1,000, 1,024, 1,600, 2,000, 2,048, 4,096, 8,192*	32, 40, 64, 80, 100, 128, 160, 200, 256, 320, 400, 500, 512, 1,000, 1,024, 1,600, 2,000, 2,048, 4,096, 8,192*	32, 40, 64, 80, 100, 128, 160, 200, 256, 320, 400, 500, 512, 1,000, 1,024, 1,600, 2,000, 2,048, 4,096, 8,192*	
Number of turns	4,096 (option: 16,777,216)	1	1	
Shaft diameters available	8mm blind shaft	See drawings section	6mm	
Connectors	Cable gland axial, M12 axial (DRIVE CLiQ)	Cable gland axial	2x cable gland axial	
Maximum SIL/PL				
Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	
Protection class	IP54 (option IP65)	IP65 (option IP69k)	IP65 (option IP69k)	
Interface	SSI  ASI CAN	SSI ASI Analog CAN	SSI	
Option, additional interfaces (on request)	INC	INC	SSI	
Weblink	www.tr-electronic.com/s/S007176	www.tr-electronic.com/s/S007177	www.tr-electronic.com/s/S007178	
QR-Code				

*Factory set

Magnet detection (M)

<p>CDV36-M</p> 	<p>CDF36-S</p> 
Magnet detection (M)	Magnet detection (M)
(M) Multi	(S) Single
11...27 VDC	11...27 VDC
32, 40, 64, 80, 100, 128, 160, 200, 256, 320, 400, 500, 512, 1,000, 1,024, 1,600, 2,000, 2,048, 4,096, 8,192*	32, 40, 64, 80, 100, 128, 160, 200, 256, 320, 400, 500, 512, 1,000, 1,024, 1,600, 2,000, 2,048, 4,096, 8,192*
4.096	1
6mm	See drawings section
2x cable gland axial	2x cable gland axial
-25...+70°C	-25...+70°C
IP54 (option IP65)	IP65 (option IP69k)
SSI	SSI
SSI	SSI
www.tr-electronic.com/s/S007179	www.tr-electronic.com/s/S007180
	

*Factory set

Can't find the right variant? Please contact us (info@tr-electronic.de)