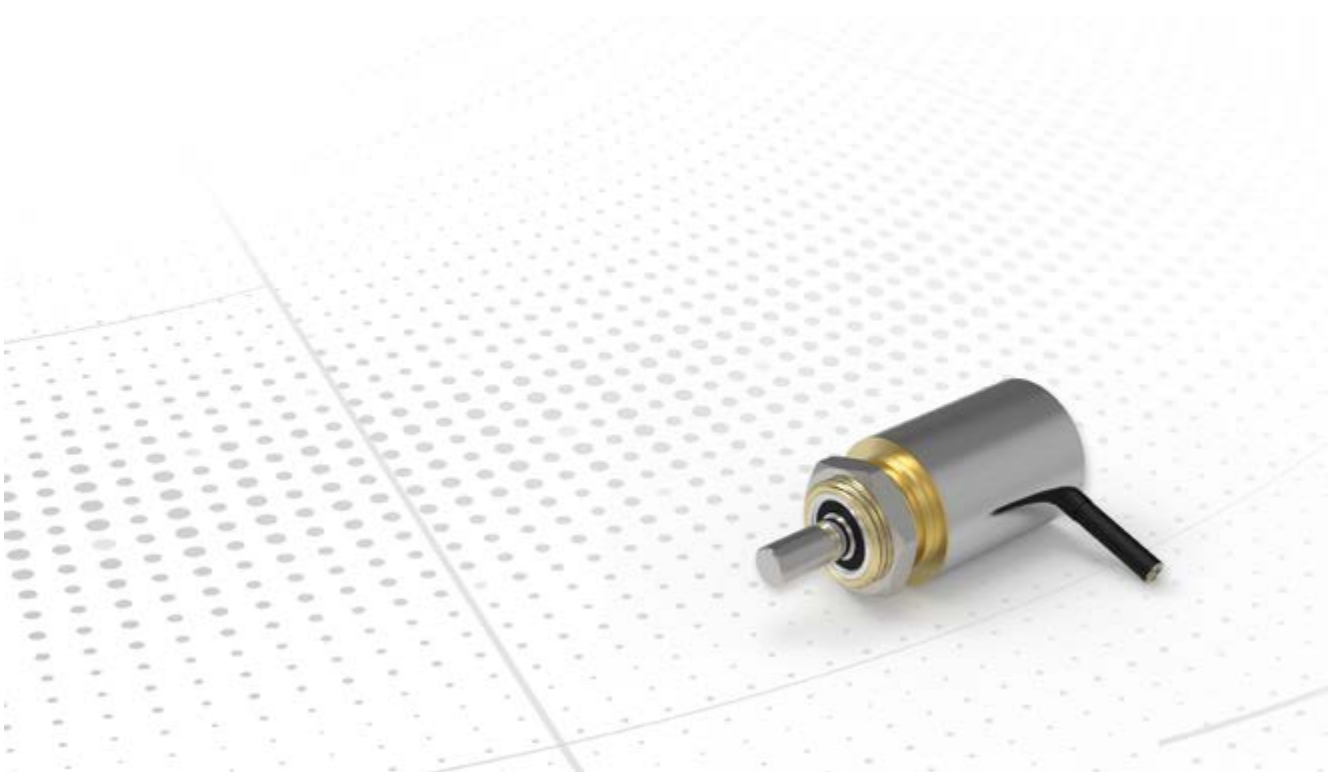


Absolute Rotary Encoders

Family C__22



Encoder – Family C__22 - Housing 22 mm



Tiny but an absolutely real encoder!

Within the CMV 22 M we have combined our innovative ideas of rotary encoder technology and the experience gained over the years and placed it into a miniature rotary encoder. With a 22 mm diameter, it is the smallest absolute multi-turn rotary encoder of its kind. Amazingly compact, it can be easily mounted in the most confined machine spaces. The contact-free detection guarantees shock and vibration resistance which combined with its low mass make it perfect for use in demanding environments.

Application

Direct installation into servo drives for wear-free, absolute position detection over several revolutions. The small size of 22 mm enables real multi-turn position measuring without battery back-up in fields such as apparatus construction and medical engineering, where up till now only incremental rotary encoders or multiple-ganged potentiometers were used.

Contents

Products.....	3
Suggested Products.....	4
Dimensional Drawings.....	5
Shaft Types.....	6

Magnet detection (M)

Products	CMV22M	CMV22M
		
Detection	Magnet detection (M)	Magnet detection (M)
Single / multi	(M) Multi	(M) Multi
Supply	7 ... 26 VDC	14 ... 30 VDC
Steps per turn	4,096	4,096
Number of turns	265	4,096
Precision	$\pm 1,0^\circ$	$\pm 1,0^\circ$
Shaft diameters available	3 mm, 6 mm, 1/4"	3 mm, 6 mm, 1/4"
Connectors	Cable outlet radial	Cable outlet radial
Ambient temperature	0 ... +60 °C	0 ... +60 °C
Protection class	IP64	IP64
Interface	SSI ASI	Analog
Weblink	www.tr-electronic.com/s/S007235	www.tr-electronic.com/s/S007234
QR-Code		

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

Suggested Products

Order code	Steps per turn	Turns	Shaft / Flange	Connector position	Cable length	Remark
CMV22 - Analogue						
CMV22M-00008	4,096	256	1/4"X12 M16X1	Open end	0,500 m	Analogue voltage
CMV22M-00013	4,096	10	6,35GL/12 with groove M16X1	1X8P.M12-connector	0,360 m	Analogue voltage
CMV22M-00025	4,096	256	1/4"X12 M16X1	Open end	0,500 m	Analogue current
CMV22M-00039	4,096	4,096	6GL/12,7 M16X1	Open end	1,000 m	Analogue voltage
CMV22S-00001	4,096	1	1/4"X12 M16X1	Open end	0,500 m	Analogue voltage
CMV22S-00004	4,096	1	1/4"X12 M16X1	Open end	0,500 m	Analogue current
CMV22 - SSI						
CMV22M-00005	4,096	256	1/4"X12 M16X1	Open end	0,500 m	
CMV22M-00010	4,096	256	1/4"X12 M16X1	Open end	0,500 m	
CMV22M-00037	4,096	256	6GL/12,7 M16X1	Open end	10,000 m	
CMV22S-00003	4,096	1	1/4"X12 M16X1	Open end	0,300 m	

For further product information simply enter the order number in the search field at www.tr-electronic.com.

Further product information

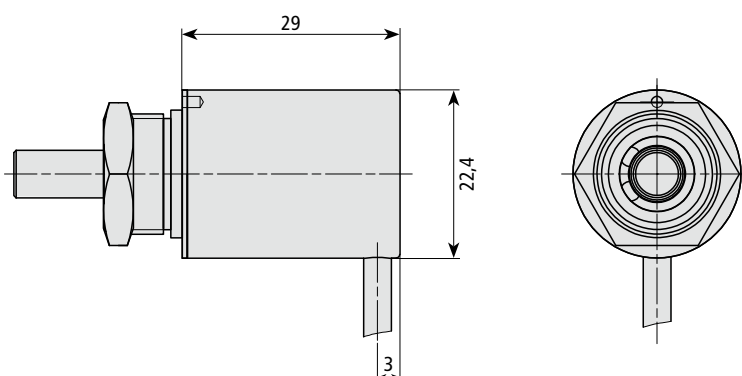
1. Enter order code into ...
2. Searchfield (top right) on www.tr-electronic.com
3. Choose desired information



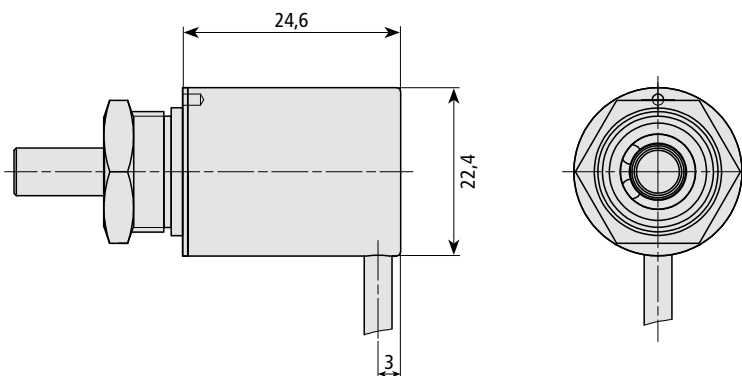
We will help you to select the most suitable products from the complete TR range. Please contact us (info@tr-electronic.de).

Dimensional Drawings

CMV22 Analogue

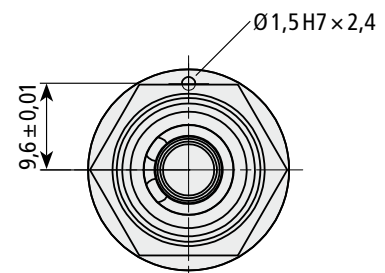
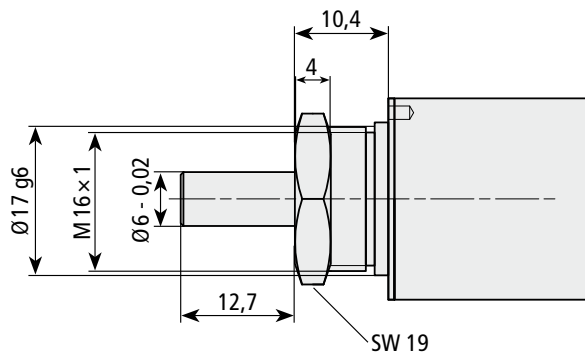


CMV22 SSI, ASI

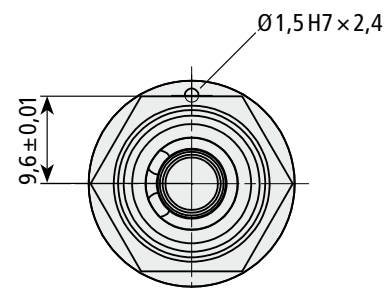
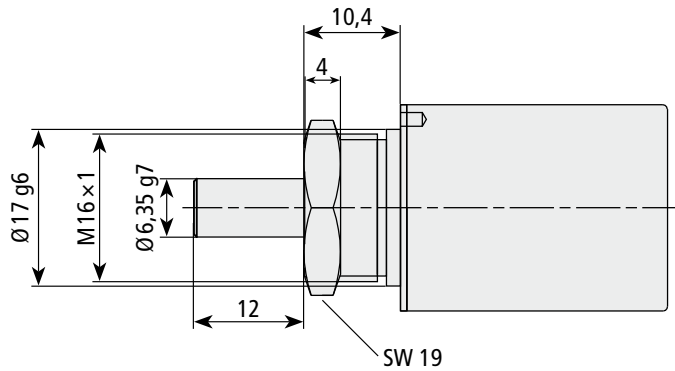


Shaft Types

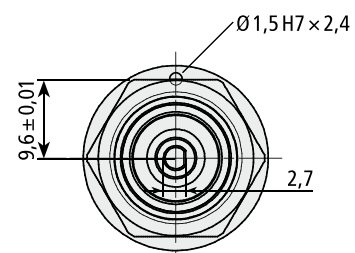
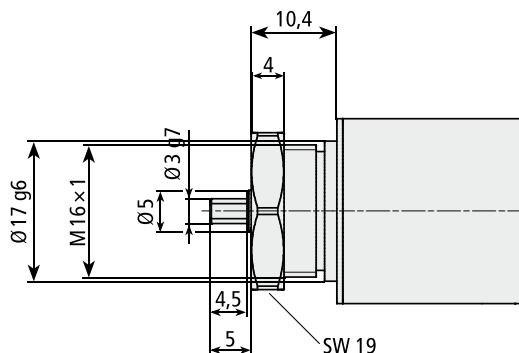
Shaft 6 mm



Shaft 6,35 mm
1/4"



Shaft 3 mm
With flat



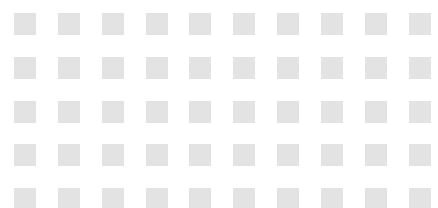


TR Electronic GmbH

Eglishalde 6
D - 78647 Trossingen

Tel. +49 7425 228-0
Fax +49 7425 228-33

info@tr-electronic.de
www.tr-electronic.de



Last update: 07/2023

68-105-097 · TR-V-PR-GB-0007-3

Subject to technology and design modifications.

Cover photo background: ©kras99-fotolia.com