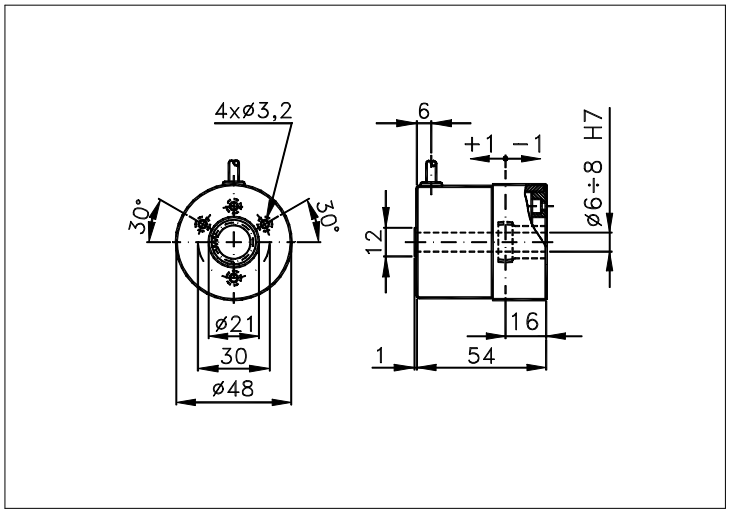
Sized draw standard version: CV R Measures without tolerance according to UNI ISO 2768-mk

Max joint compensation: axial ± 1mm, radial ± 0,05mm, angular ± 2°



TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- **Base**.....: ANODIZED ALUMINIUM (*)
- **Cover**.....: ANODIZED ALUMINIUM (*)
- **Weight**.....: 200 g
- **Shaft**.....: Ø 6÷8 HOLLOW STAINL.STEEL (*)
- **Max.rad/axial load.**: 1 kg
- **IP output side.(°).**: see 'CONNECTION' of page 2

- IP shaft side..(°).>	std. 64	sealed 65	low torq. -
opt. type (page 2).>	standard	Z	
- Contin. max RPM(**)>	6000	3000	-
- Starting torque gcm>	25	40	-

- **Ball bearings life...**: 1,5 x 10^9 revolutions
- **Impact resistance....**: 50 G x 11ms
- **Vibration resistance.**: 12 G (10 ÷ 2000 Hz)
- **Power supply.....**: 5÷30V (see page 2)
- **Operating temperature**: 0 ÷ 70 °C (*)
- **Storage temperature..**: -30 ÷ 85 °C
- **N° of pulses/rev.....**: 1 ÷ 5000
- **Max frequency.....**: 60 kHz (160 option)
- **Max consumptions mA..**: std 120 line driver 180 (*)
- **Light source.....**: LED with >= 100000 h life

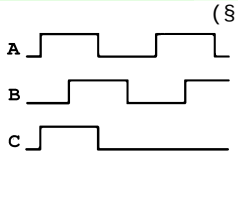
(°) IP according to CEI EN 60529,EN 60529,IEC 529

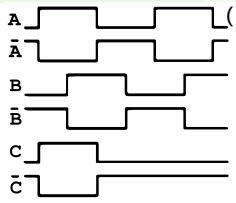
(*) custom options

(**) intermittent max RPM + 30% of continuous max RPM

ELECTRONICS

CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA
	STANDARD NPN	10	N	DRIVER 26LS31	30						
K	NPN OPEN COLL	10	T	TTL 7404	10						
Q	NPN	70	C	DRIVER 88C30	20						
R	NPN OPEN COLL	70									
P	PNP	70									
U	PNP OPEN COLL	70									
B	PUSH-PULL PRO	70									
H	PUSH-PULL	70									
		(§)			(§)			(§)			(§)





Tolerance between phases ± 25° , symmetry ± 15°

(§) Clock-wise output rotation (see shaft).

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POSSIBLE OPTIONS

CODE	DESCRIPTION	CODE	DESCRIPTION
L	Low temperature		
Y	Unbreakable disk	K	Invert. phase A,B,Zero.
Z	Sealed ball bearing	J	Zero logic combination
		M	Impregnated electronic
		A	High temperature
R	75 KHz frequency		
V	100 KHz frequency		
S	160 KHz frequency	G	Tropicalization
X	Custom options		

POSSIBLE CONNECTIONS

CABLE	OUTPUT:
CV	RAD
CONNECTOR	**OUTPUT:**
CABLE END CONNECTOR	**OUTPUT:**
VM TM VL TL VD VH VH5 VI VE VK TK VN VH6 VM5 VM9 VS VD5	RAD
TERMINAL BOX	**OUTPUT:**

ORDERING INFORMATION

POSSIBLE HOLLOW Ø

- (6) Ø 6
- (8) Ø 8
- (n) Ø n upon requ.

- (K) NPN OPEN COLL
- (Q) NPN
- (R) NPN OPEN COLL
- (P) PNP
- (U) PNP OPEN COLL
- (B) PUSH-PULL PRO
- (H) PUSH-PULL
- (N) DRIVER 26LS31
- (T) TTL 7404
- (C) DRIVER 88C30
- (X) CUSTOM OPTION

CABLE IP65

- (CV) 1 m long

TERMINAL BOX IP00

CONNECTOR

CABLE END CONNECTOR IP65 encoder output

- (VM) 7c normal
- (TM) 7c sealed
- (VL) 10c normal
- (TL) 10c sealed
- (VD) 9c
- (VH) 12c anticlock.
- (VH5) 12c clock-wise
- (VI) 12c crimped
- (VE) 5c
- (VK) 17c normal
- (TK) 17c sealed
- (VN) 12c
- (VH6) 12c clock-wise
- (VM5) 26c
- (VM9) 16c
- (VS) 12c
- (VD5) 9c screened

OPTIONS	MODEL	PULSES/REVOL.(1)	POWER SUPPLY	VERSION (2)	ELECTRONIC (2)	CONNECTION (3)	OUTPUT
	48K	**500**	**5**	**BZ**	**N**	**CV**	**R**

OPTIONS: (L) (Y) (Z) ( ) ( ) (R) (V) (S) ( ) ( ) ( ) (X)

MODEL: ( ) (K) (J) (M) (A) ( ) ( ) (G) ( ) ( ) ( ) ( )

PULSES/REVOL.(1): 1 ÷ 5000

POWER SUPPLY (Vcc)

- (5) 5 V ±5%
- (824) 8÷24 V
- (1828) 18÷28 V
- (815) 8÷15 V
- (12) 12 V ±5%
- (24) 24 V ±5%
- (1230) 12÷30/12 V
- (8245) 8÷24/5 V
- (1030) 10÷30 V
- (18285) 18÷28/5 V
- (1530) 15÷30/15 V
- ( ) NOTE: FOR 88C30 MAX 15 Vdc

VERSION (2)

- (M) Monodirectional
- (B) Bidirectional
- (BZ) Bidirectional + zero
- (MZ) Monodirectional + zero

OUTPUT: RAD ( ) (R)

Product manufactured according to ISO EN 9001, supplied with CHECKING and CONFORMITY declaration with CE mark and with TWO (2) YEARS WARRANTY starting from delivery date.

(1) For further information see PULSES/REVOL. data sheet
(2) For further information see ELECTRONIC data sheet
(3) For further information see CONNECTION data sheet

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