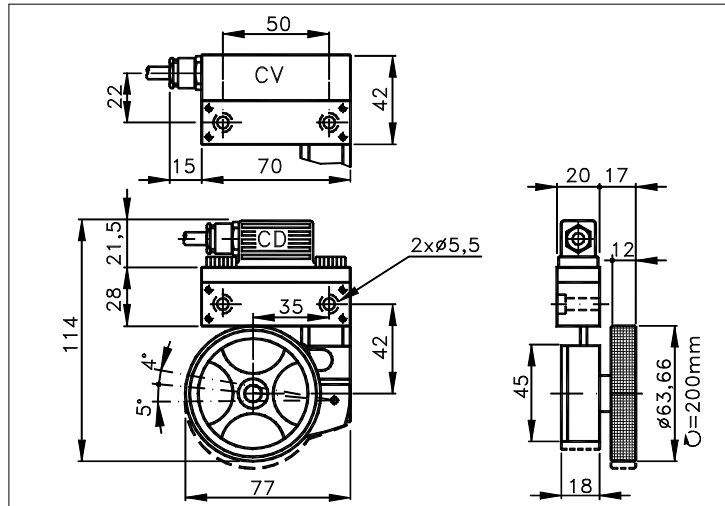


Sized draw standard version: CD Measures without tolerance according to UNI ISO 2768-mk

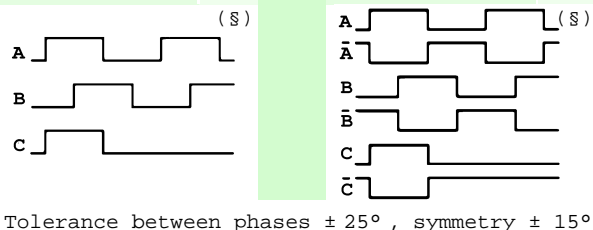


TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- Base.....: ANODIZED ALUMINIUM (*)
 - Cover.....: ANODIZED ALUMINIUM (*)
 - Weight.....: 320 g
 - Shaft.....: Ø 4 STAINLESS STEEL (*)
 - Max.rad/axial load.: 0,5 kg
 - IP output side.(°): see 'CONNECTION' of page 2
 - IP shaft side.(°):> std. 64 | sealed 66 | low torq. -
opt. type (page 2):> standard | Z
 - Contin. max RPM(**):> 6000 | 3000 | -
 - Starting torque gcm> 30 | 45 | -
 - Ball bearings life...: 1,5 x 10⁹ 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 (100 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

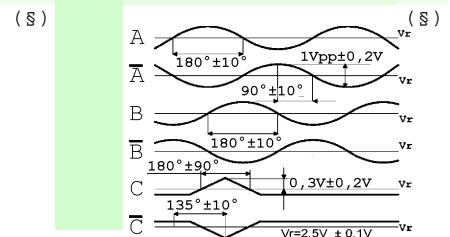
ELECTRONICS

CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA
	STANDARD NPN	10	N	DRIVER 26LS31	30				Y	SINUSOID. 1Vpp	10
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).



ELCIS s.r.l. Via Rosa Luxembourg 12/14 10093 COLLEGNO (TO) ITALY
Phone: +39 011 715577/78 a.r.
MAIL: ELCIS s.r.l. P.O.Box 90 10093 COLLEGNO (TO) ITALY

* <http://www.elcis.com>
* e-mail: info@elcis.com
* Fax: +39 011 712613

POSSIBLE OPTIONS				POSSIBLE CONNECTIONS			
CODE	DESCRIPTION	CODE	DESCRIPTION	CABLE		OUTPUT:	
L	Low temperature	K	Invert. phase A,B,Zero.	CV			
Y	Unbreakable disk	J	Zero logic combination	CONNECTOR		OUTPUT:	
Z	Sealed ball bearing	M	Impregnated electronic	CD			
		A	High temperature	CABLE END CONNECTOR		OUTPUT:	
R	75 KHz frequency	G	Tropicalization	VM	TM	VL	TL
V	100 KHz frequency			VE	VK	TK	VN
				VD	VH	VH5	VI
				VM5	VM9	VS	VD5
X	Custom options			TERMINAL BOX		OUTPUT:	

ORDERING INFORMATION

POSS. MEAS. WHEEL	STANDARD NPN	CABLE	CONNECTOR	CABLE END CONNECTOR
()	(K) NPN OPEN COLL	IP65		IP65 encoder output
()	(Q) NPN	(CV) 1 m long	()	(VM) 7c normal
()	(R) NPN OPEN COLL	()	()	(TM) 7c sealed
()	(P) PNP	()	()	(VL) 10c normal
()	(U) PNP OPEN COLL	()	()	(TL) 10c sealed
()	(B) PUSH-PULL PRO		(CD) 9c sub D IP64	(VD) 9c
()	(H) PUSH-PULL	TERMINAL BOX		(VH) 12c anticlock.
()	(N) DRIVER 26LS31	IP00		(VH5) 12c clock-wise
(A) Knurl.met.wheel	(T) TTL 7404			(VI) 12c crimped
(B) Smoo. rub.wheel	(C) DRIVER 88C30			(VE) 5c
(C) knurl.rub.wheel	()			(VK) 17c normal
()	()			(TK) 17c sealed
()	(Y) SINUSOID.1Vpp			(VN) 12c
()	(X) CUSTOM OPTION			(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
64	500	5	BZ	N	CD	
(L) ()	1 ÷ 5000	(Vcc)	(M) Monodirectional	()		()
(Y) (K)		(5) 5 V ±5%	(B) Bidirectional	()		()
(Z) (J)		(824) 8÷24 V	(BZ) Bidirectional + zero			
() (M)		(1828) 18÷28 V	(MZ) Monodirectional + zero			
() (A)		(815) 8÷15 V				
() ()		(12) 12 V ±5%				
(R) ()		(24) 24 V ±5%				
(V) ()		(1230) 12÷30/12 V				
() (G)		(8245) 8÷24/5 V				
() ()		(1030) 10÷30 V				
() ()		(18285) 18÷28/5 V				
() ()		(1530) 15÷30/15 V				
(X) ()		()				

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.

NOTE: FOR 88C30 MAX 15 Vdc

- (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

	<p>ELCIS s.r.l. Via Rosa Luxembourg 12/14 10093 COLLEGNO (TO) ITALY Phone: +39 011 715577/78 a.r. MAIL: ELCIS s.r.l. P.O.Box 90 10093 COLLEGNO (TO) ITALY</p>	<p>* http://www.elcis.com * e-mail: info@elcis.com * Fax: +39 011 712613</p>
--	---	---