

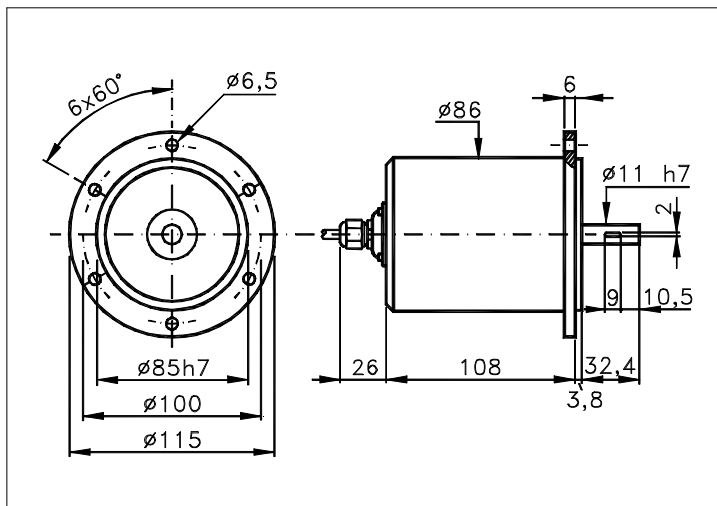
INCREMENTAL
ENCODER

115R

EXCEPTIONALLY STRONG ENCODER, ALL TURNED METAL, STANDARD B10
FLANGE, DUPLICATED COVER. DESIGNED FOR USE ON MARBLE EQUIPMENT,
SHIPYARD ECC.

Family: **I**
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data sheet . II 021 E0B

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



TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- | | |
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| <ul style="list-style-type: none"> - Base.....: ANODIZED ALUMINIUM (*) - Cover.....: ANODIZED ALUMINIUM (*) - Weight.....: 1450 g - Shaft.....: Ø 11 STAINLESS STEEL (*) - Max.rad/axial load:: 18 kg - IP output side.(°):: see 'CONNECTION' of page 2 - IP shaft side.(°)> std. 66 sealed 67 low torq. - - opt. type (page 2)> standard Z - Contin. max RPM(**)> 6000 3000 - - Starting torque gcm> 90 150 - <p>(°) IP according to CEI EN 60529, EN 60529, IEC 529
(*) custom options</p> | <ul style="list-style-type: none"> - MTTFd (°°).....: HIGH - 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 ÷ 90000 - Max frequency.....: 100 kHz (300 option) - Max consumptions mA:: std 120 line driver 180 (*) <p>(°°) MTTFd according to EN ISO 13849-1
(**) intermittent max RPM + 30% of continuous max RPM</p> |
|--|--|

ELECTRONICS

CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA
	STANDARD NPN	10	N	DRIVER 26LS31	30	D	DISCRIMINAT.	70	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	L	2x PUSH-P.PRO	70						
P	PNP	70	M	2x PUSH-PULL	70						
U	PNP OPEN COLL	70									
B	PUSH-PULL PRO	70									
H	PUSH-PULL	70									

(S)

(S)

(S)

(S)

Tolerance between phases ± 25°, symmetry ± 15°
(S) Clock-wise output rotation (see shaft).



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

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

N.I.F.: B-87969416



GUEMISA

C/ Del Electrodo, 68 Oficina-23
28522 Rivas Vaciamadrid (Madrid)
Tfno.: 91 764 21 00 - info@guemisa.com

POSSIBLE OPTIONS				POSSIBLE CONNECTIONS			
CODE	DESCRIPTION	CODE	DESCRIPTION	CABLE			OUTPUT:
L	Low temperature	C	Low consumption	CV			AX RAD
Y	Unbreakable disk	Q	Oil seal				
Z	Sealed ball bearing	J	Zero logic combination	CONNECTOR			OUTPUT:
		M	Impregnated electronic				
H	Different shaft Ø	A	High temperature	CM	SM	CL SL CH	AX RAD
		P	Compressed air attack	CABLE END CONNECTOR			OUTPUT:
		K	Invert. phase A,B,Zero.				
S	160 KHz frequency			VM	TM	VL TL VD VH VH5 VI	AX
W	300 KHz frequency			VE	VK	TK VN VH6 VM5 VM9 VS	RAD
				VD5			
X	Custom options			TERMINAL BOX			OUTPUT:
G	Tropicalization						
				MS			RAD

ORDERING INFORMATION

POSSIBLE SHAFT Ø	STANDARD NPN	CABLE	CONNECTOR	CABLE END CONNECTOR
()	(K) NPN OPEN COLL	IP67		IP65 encoder output
()	(Q) NPN	(CV) 1 m long	(CM) 7c norm. IP65	(VM) 7c normal
()	(R) NPN OPEN COLL	()	(SM) 7c sealed IP66	(TM) 7c sealed
()	(P) PNP	()	(CL) 10c norm. IP65	(VL) 10c normal
()	(U) PNP OPEN COLL	()	(SL) 10c sealed IP66	(TL) 10c sealed
(n) Ø n upon requ.	(B) PUSH-PULL PRO		()	(VD) 9c
	(H) PUSH-PULL	TERMINAL BOX	(CH) 12c ccw IP67	(VH) 12c anticlock.
()	(N) DRIVER 26LS31	IP66	()	(VH5) 12c clock-wise
()	(T) TTL 7404	(MS) Phoenix	()	(VI) 12c crimped
()	(C) DRIVER 88C30		()	(VE) 5c
()	(L) 2x PUSH-P.PRO		()	(VK) 17c normal
()	(M) 2x PUSH-PULL		()	(TK) 17c sealed
()	(D) DISCRIMINAT.		()	(VN) 12c
()	(Y) SINUSOID.1Vpp		()	(VH6) 12c clock-wise
()	(X) CUSTOM OPTION		()	(VM5) 26c
()			()	(VM9) 16c
()			()	(VS) 12c
()			()	(VD5) 9c screened
()			()	()

OPTIONS	MODEL	PULSES/REVOL. (1)	POWER SUPPLY	VERSION (2)	ELECTRONIC (2)	CONNECTION	OUTPUT	CABLE LENGHT
I/	115R	500	5	BZ	N	CV		01
			(Vcc)					
(L)	(C)	1 ÷ 90000	(5) 5 V ±5%		(M) Monodirectional	AX	()	1 m long (01)
(Y)	(K)		(824) 8÷24 V		(B) Bidirectional	RAD	(R)	n m long (n)
(Z)	(J)		(1828) 18÷28 V		(BZ) Bidirectional + zero			
()	(M)		(815) 8÷15 V		(MZ) Monodirectional + zero			
(H)	(A)		(12) 12 V ±5%					
()	(P)		(24) 24 V ±5%					
()	(Q)		(1230) 12÷30/12 V					
()	(G)		(8245) 8÷24/5 V					
(S)	()		(1030) 10÷30 V					
(W)	()		(18285) 18÷28/5 V					
()	()		(1530) 15÷30/15 V					
()	()		()					
(X)	()							

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

Product manufactured according to UNI EN ISO 9001:2008, supplied with CHECKING and CONFORMITY declaration with CE mark and with TWO (2) YEARS WARRANTY starting from delivery date.

ELCIS company has the right to make any changing without previous notice.

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