

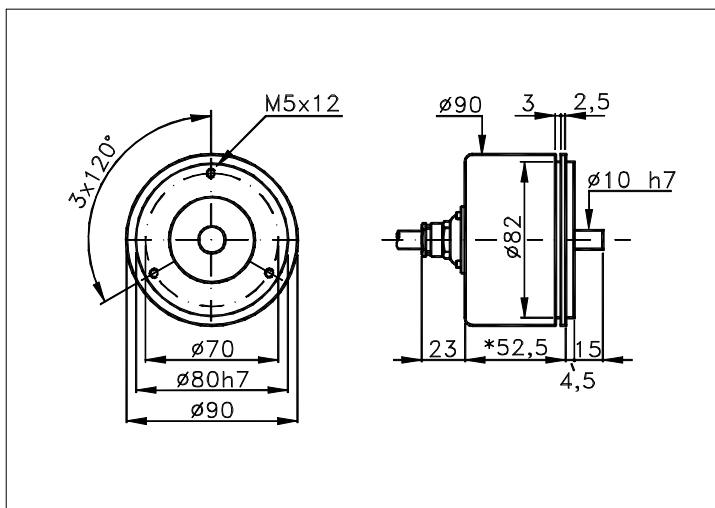
**INCREMENTAL
ENCODER**

90

STURDY ENCODER FOR HEAVY DUTY, WITH ALL METEL CONTAINER,
'SERVO-MOUNT' INSTALLATION.

Family: **I**
page: 03. 90 1/2
data sheet . II 018 E0A

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



* 72 FOR 'L', 'D' ELECTRONICS.

TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- | | |
|---|---|
| <ul style="list-style-type: none"> - Base.....: ANODIZED ALUMINIUM (*) - Cover.....: ANODIZED ALUMINIUM (*) - Weight.....: 600 g - Shaft.....: Ø 10 STAINLESS STEEL (*) - Max.rad/axial load:: 10 kg - IP output side.(°):: see 'CONNECTION' of page 2 - IP shaft side.(°)> std. 65 sealed 66 low torq. 53 - opt. type (page 2)> standard Z B - Contin. max RPM(**)> 6000 3000 12000 - Starting torque gcm> 18 30 8 | <ul style="list-style-type: none"> - 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 ÷ 25000 - Max frequency.....: 100 kHz (300 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	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).



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POSSIBLE OPTIONS		POSSIBLE CONNECTIONS	
CODE	DESCRIPTION	CODE	DESCRIPTION
L	Low temperature	C	Low consumption
Y	Unbreakable disk	K	Invert. phase A,B,Zero.
Z	Sealed ball bearing	J	Zero logic combination
B	Low torque ball bear.	M	Impregnated electronic
H	Different shaft Ø	A	High temperature
		P	Compressed air attack
		Q	Oil seal
S	160 KHz frequency	G	Tropicalization
W	300 KHz frequency		
X	Custom options		
</			

ORDERING INFORMATION

POSSIBLE SHAFT Ø	STANDARD NPN	CABLE	CONNECTOR	CABLE END CONNECTOR
()	(K) NPN OPEN COLL	IP65		IP65 encoder output
()	(Q) NPN			
()	(R) NPN OPEN COLL	()	(CM) 7c norm. IP65	(VM) 7c normal
()	(P) PNP	(CW) 1 m long	(SM) 7c sealed IP66	(TM) 7c sealed
()	(U) PNP OPEN COLL	()	(CL) 10c norm. IP65	(VL) 10c normal
(n) Ø n upon requ.	(B) PUSH-PULL PRO		(SL) 10c sealed IP66	(TL) 10c sealed
	(H) PUSH-PULL		(CD) 9c sub D IP63	(VD) 9c
	(N) DRIVER 26LS31	TERMINAL BOX	(CH) 12c ccw IP67	(VH) 12c anticlock.
	(T) TTL 7404	IP00	(CH5) 12c cw IP67	(VH5) 12c clock-wise
	(C) DRIVER 88C30	(MS) Phoenix	(CI) 12c crimp. IP64	(VI) 12c crimped
	(L) 2x PUSH-P.P.PRO		(CE) 5c miniat IP64	(VE) 5c
	(M) 2x PUSH-PULL			(VK) 17c normal
	(D) DISCRIMINAT.			(TK) 17c sealed
	(Y) SINUSOID.1Vpp		(C4) 4c screw IP65	(VN) 12c
	(X) CUSTOM OPTION		(CH6) 12c cw IP67	(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
90	500	5	BZ	N	CW		
(L)	(C)	1 ÷ 25000	(Vcc)	(M) Monodirectional		AX ()	
(Y)	(K)		(5) 5 V ±5%	(B) Bidirectional		RAD (R)	
(Z)	(J)		(824) 8÷24 V	(BZ) Bidirectional + zero			
(B)	(M)		(1828) 18÷28 V	(MZ) Monodirectional + zero			
(H)	(A)		(815) 8÷15 V				
()	(P)		(12) 12 V ±5%				
()	(Q)		(24) 24 V ±5%				
(S)	(G)		(1230) 12÷30/12 V				
(W)	()		(8245) 8÷24/5 V				
()	()		(1030) 10÷30 V				
()	()		(18285) 18÷28/5 V				
(X)	()		(1530) 15÷30/15 V				

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 9001:2000,
 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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