

INCREMENTAL
ENCODER

58H

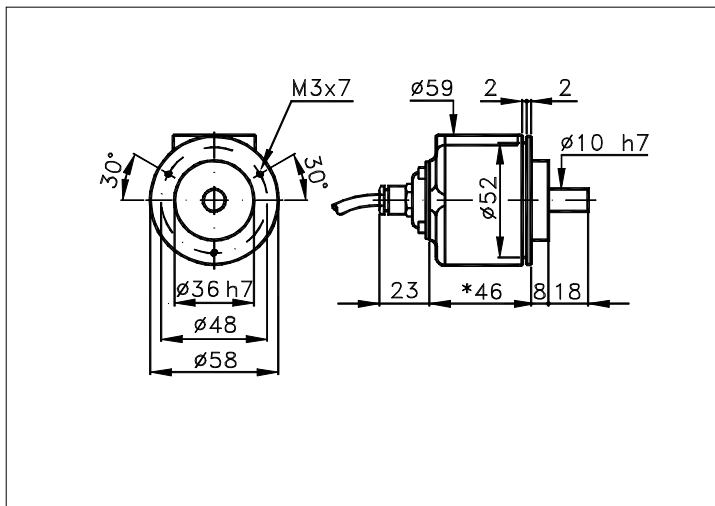
'HEAVY-DUTY' ENCODER, VERY COMPACT AND STURDY, FOR GENERAL PURPOSES
AT LOW COST.

Family: **I**
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data sheet . II 011 E0A

Sized draw standard version: CV

Measures without tolerance according to UNI ISO 2768-mk



* 54 FOR 'L', 'M', 'D' ELECTRONICS

TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- | | |
|---|---|
| <ul style="list-style-type: none"> - Base.....: ANODIZED ALUMINIUM (*) - Cover.....: VALOX 420 (*) - Weight.....: 320 g - Shaft.....: $\phi 10$ STAINLESS STEEL (*) - Max.rad/axial load.: 4 kg - IP output side.(°): see 'CONNECTION' of page 2 - IP shaft side.(°):> std. 64 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....: $1,5 \times 10^9$ 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 ÷ 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
K	STANDARD NPN	10	N	DRIVER 26LS31	30	D	DISCRIMINAT.	70	Y	SINUSOID. 1Vpp	10
Q	NPN OPEN COLL	10	T	TTL 7404	10						
R	NPN OPEN COLL	70	C	DRIVER 88C30	20						
P	PNP	70	L	2x PUSH-P.PRO	70						
U	PNP OPEN COLL	70	M	2x PUSH-PULL	70						
B	PUSH-PULL PRO	70									
H	PUSH-PULL	70									

(S)

(S)

(S)

Tolerance between phases $\pm 25^\circ$, symmetry $\pm 15^\circ$

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



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POSSIBLE OPTIONS				POSSIBLE CONNECTIONS			
CODE	DESCRIPTION	CODE	DESCRIPTION	CABLE			
L	Low temperature	C	Low consumption	CV			
Y	Unbreakable disk	K	Invert. phase A,B,Zero.				
Z	Sealed ball bearing	J	Zero logic combination	CONNECTOR			
B	Low torque ball bear.	M	Impregnated electronic				
H	Different shaft Ø	A	High temperature	CM	SM	CL	SL
		P	Compressed air attack	CE		C4	CH6
		Q	Oil seal	CABLE END CONNECTOR			
		G	Tropicalization				
S	160 KHz frequency			VM	TM	VL	TL
W	300 KHz frequency			VE	VK	TK	VN
				VD5			
X	Custom options			TERMINAL BOX			
				MS			

ORDERING INFORMATION

POSSIBLE SHAFT Ø	STANDARD NPN	CABLE	CONNECTOR	CABLE END CONNECTOR
()	(K) NPN OPEN COLL	IP65		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
(n) Ø n upon requ.	(U) PNP OPEN COLL		(SL) 10c sealed IP66	(TL) 10c sealed
	(B) PUSH-PULL PRO		(CD) 9c sub D IP63	(VD) 9c
	(H) PUSH-PULL	TERMINAL BOX	(CH) 12c ccw IP67	(VH) 12c anticlock.
	(N) DRIVER 26LS31	IP00	(CH5) 12c cw IP67	(VH5) 12c clock-wise
	(T) TTL 7404	(MS) Phoenix	(CI) 12c crimp. IP64	(VI) 12c crimped
	(C) DRIVER 88C30		(CE) 5c miniat IP64	(VE) 5c
	(L) 2x PUSH-P.PRO			(VK) 17c normal
	(M) 2x PUSH-PULL		(C4) 4c screw IP65	(TK) 17c sealed
	(D) DISCRIMINAT.		(CH6) 12c cw IP67	(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 (3)	OUTPUT
	58H	500	5	BZ	N	CV	
			(Vcc)				
(L)	(C)	1 ÷ 25000	(5) 5 V ±5%	(M) Monodirectional			AX ()
(Y)	(K)		(824) 8÷24 V	(B) Bidirectional			RAD (R)
(Z)	(J)		(1828) 18÷28 V	(BZ) Bidirectional + zero			
(B)	(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				
(S)	(G)		(8245) 8÷24/5 V				
(W)	()		(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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