

**INCREMENTAL
ENCODER**

I/55

SMALL SIZE ENCODER FOR GENERAL PURPOSES.

HIGH MECHANIC STRENGTH WITH RESPECT TO ITS SMALL DIMENSIONS.

DIFFERENT FLANGES OPTIONAL.

Family: **I**

page: 02.55

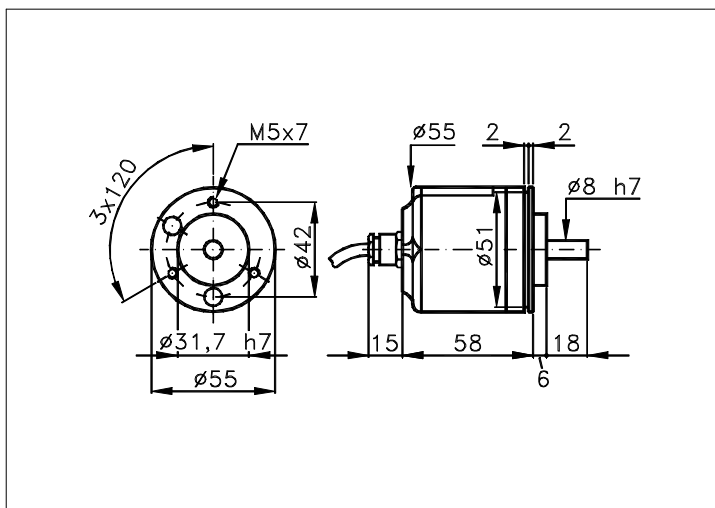
1/2

data sheet . II 008 E0A

Sized draw standard version:

CV

Measures without tolerance according to UNI ISO 2768-mk



TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- | | |
|--|--|
| <ul style="list-style-type: none"> - Base.....: ANODIZED ALUMINIUM (*) - Cover.....: VALOX 420 (*) - Weight.....: 270 g - Shaft.....: Ø 8 STAINLESS STEEL (*) - Max.rad/axial load:: 8 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 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 ÷ 1270 - 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

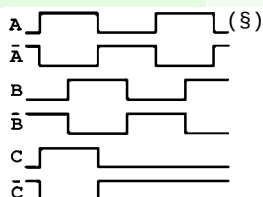
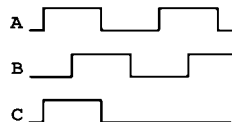
(*) custom options

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

ELECTRONICS

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

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



Tolerance between phases ± 25°, symmetry ± 15°

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



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POSSIBLE OPTIONS				POSSIBLE CONNECTIONS									
CODE	DESCRIPTION	CODE	DESCRIPTION	CABLE								OUTPUT:	
Y Z B H R V S	Unbreakable disk Sealed ball bearing Low torque ball bear. Different shaft Ø 75 KHz frequency 100 KHz frequency 160 KHz frequency	K J M	Invert. phase A,B,Zero. Zero logic combination Impregnated electronic	CV								AX RAD	
												CONNECTOR	
								CD	CH				
		CABLE END CONNECTOR								OUTPUT:			
				VM VE VD5	TM VK	VL TK	TL VN	VD VH6	VH VM5	VH5 VM9	VI VS	AX RAD	
		TERMINAL BOX								OUTPUT:			
X	Custom options												
ORDERING INFORMATION													

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	()	(VM) 7c normal
()	(R) NPN OPEN COLL	()	()	(TM) 7c sealed
()	(P) PNP	()	()	(VL) 10c normal
(n) Ø n upon requ.	(U) PNP OPEN COLL	()	()	(TL) 10c sealed
()	(B) PUSH-PULL PRO		(CD) 9c sub D	(VD) 9c
()	(H) PUSH-PULL	TERMINAL BOX	(CH) 12c ccw	(VH) 12c anticlock.
()	(N) DRIVER 26LS31	IP00		(VH5) 12c clock-wise
()	(T) TTL 7404			(VI) 12c crimped
()	(C) DRIVER 88C30	()		(VE) 5c
()				(VK) 17c normal
()				(TK) 17c sealed
()				(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
55	500	5	BZ	N	CV		
()	()	(Vcc)	(M) Monodirectional			AX	()
(Y)	(K)	1 ÷ 1270	(B) Bidirectional			RAD	(R)
(Z)	(J)		(BZ) Bidirectional + zero				
(B)	(M)		(MZ) Monodirectional + zero				
(H)	()						
(R)	()						
(V)	()						
(S)	(G)						
()	()						
()	()						
(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 9001:2000,
 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.

data sheet II008 E0A page: 02. 55

1/2



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