

**INCREMENTAL
ENCODER**

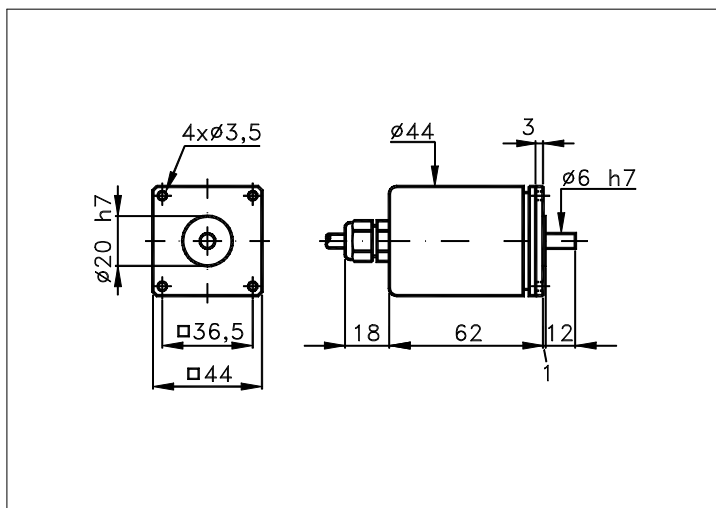
I/44Q

MINIATURE ENCODER WITH SQUARE FLANGE, METALLIC STANDARD 'SIZE 18'
CONTAINER, HIGH MECHANIC STOUTNESS AND HIGH PROTECTION TO OIL,
WATER, MOISTURE.

Incremental
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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.....: ANODIZED ALUMINIUM (*) - Weight.....: 230 g - Shaft.....: Ø 6 STAINLESS STEEL (*) - Max.rad/axial load.: 1,5 kg - IP output side.(°).: see 'CONNECTION' of page 2 - IP shaft side.(°).:> std. 66 sealed - low torq. 53
opt. type (page 2).> standard B - Contin. max RPM(**)> 3000 - 12000 - Starting torque gcm> 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 ÷ 2540 - 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

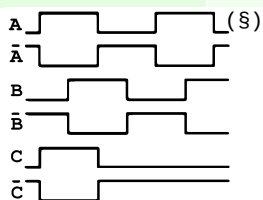
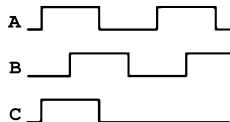
(*) custom options

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

ELECTRONICS

CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA
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:	
L	Low temperature	K J M A G	Invert. phase A,B,Zero. Zero logic combination Impregnated electronic High temperature Tropicalization	CV								AX	
Y	Unbreakable disk											RAD	
B	Low torque ball bear.			CONNECTOR								OUTPUT:	
H	Different shaft Ø												
R	75 KHz frequency												
V	100 KHz frequency	CABLE END CONNECTOR								OUTPUT:			
X	Custom options			VM	TM	VL	TL	VD	VH	VH5	VI	AX RAD	
				VE	VK	TK	VN	VH6	VM5	VM9	VS		
				VD5									
				TERMINAL BOX								OUTPUT:	

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		()	(VD) 9c
()	(H) PUSH-PULL	TERMINAL BOX	()	(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
44Q	500	5	BZ	N	CV		
(L)	()	1 ÷ 2540	(Vcc)	(M) Monodirectional		AX ()	
(Y)	(K)		(5) 5 V ±5%	(B) Bidirectional		RAD (R)	
()	(J)		(824) 8÷24 V	(BZ) Bidirectional + zero			
(B)	(M)		(1828) 18÷28 V	(MZ) Monodirectional + zero			
(H)	(A)		(815) 8÷15 V				
(R)	()		(12) 12 V ±5%				
(V)	()		(24) 24 V ±5%				
()	(G)		(1230) 12÷30/12 V				
()	()		(8245) 8÷24/5 V				
()	()		(1030) 10÷30 V				
()	()		(18285) 18÷28/5 V				
(X)	()		(1530) 15÷30/15 V				

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

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

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