

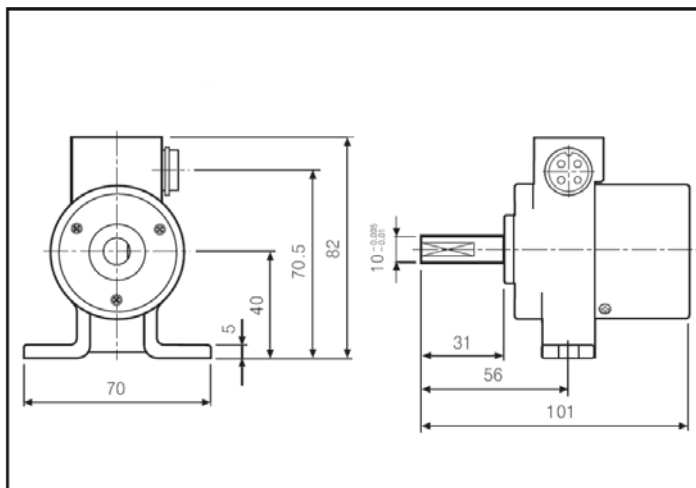
**INCREMENTAL
ENCODER**

50FL

COMPACT ALL-METAL ENCODER EQUIPPED WITH FIXING FEET, THAT ALLOW
EASY MOUNTING OPERATIONS. STURDY AND FIT FOR INDUSTRIAL USES.

Family: **I**
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Sized draw standard version: CEK R Measures without tolerance according to UNI ISO 2768-mk



TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- | | |
|--|---|
| <ul style="list-style-type: none"> - Base.....: STEEL - Cover.....: STEEL - Weight.....: 350 g - Shaft.....: Ø 10 STAINLESS STEEL - Max.rad/axial load:: 3,5 kg - IP output side.(°):: see 'CONNECTION' of page 2 - IP shaft side.(°)> std. 52 sealed - low torq. - - opt. type (page 2)> standard - Contin. max RPM(**)> 5000 - Starting torque gcm> 25 | <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÷24V (see page 2) - Operating temperature: -10÷70 °C - Storage temperature...: -30 ÷ 85 °C - N° of pulses/rev.....: 10 ÷ 3600 - Max frequency.....: 180 kHz - Max consumptions mA:: std 60 line driver 50 - Light source.....: LED with >= 100000 h life |
|--|---|

(°) IP according to CEI EN 60529, EN 60529, IEC 529

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

ELECTRONICS

CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA
	STANDARD NPN	10									
R	NPN OPEN COLL	30									
H	PUSH-PULL	30									

(§)

(§)

(§)

Tolerance between phases ± 45°, symmetry ± 20°

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



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POSSIBLE OPTIONS				POSSIBLE CONNECTIONS	
CODE	DESCRIPTION	CODE	DESCRIPTION	CABLE	OUTPUT:
				CONNECTOR	OUTPUT:
				CEK	RAD
				CABLE END CONNECTOR	OUTPUT:
				VMK TMK VLK TLK VDK VHK VEK	RAD
				TERMINAL BOX	OUTPUT:
X	Custom options				

ORDERING INFORMATION

POSSIBLE SHAFT Ø	() STANDARD NPN	CABLE	CONNECTOR	CABLE END CONNECTOR IP65 encoder output
()	()	()	()	(VMK) 7c normal
()	(R) NPN OPEN COLL	()	()	(TMK) 7c sealed
()	(H) PUSH-PULL	()	()	(VLK) 10c normal
()	()	TERMINAL BOX	()	(TLK) 10c sealed
()	()	()	()	(VDK) 9c
()	()	()	(CEK) 5c miniat IP64	(VHK) 12c anticlock.
()	()	()	()	(VEK) 5c
()	()	()	()	()
()	()	()	()	()
()	()	()	()	()
()	()	()	()	()

OPTIONS MODEL	PULSES/REVOL. (1)	POWER SUPPLY	VERSION (2)	ELECTRONIC (2)	CONNECTION (3)	OUTPUT
50FL	500	1224	BZ	H	CEK	R
()	10, 20, 25, 50, 75, 100, 120, 150, 200, 250, 256, 300, 360, 400, 500, 512, 600, 800, 1000, 1024, 1200, 1500, 1800, 2000, 2048, 2500, 3000, 3600	(Vcc) (5) 5 V ±5% () () (1224) 12÷24 V () () ()	() (BZ) Bidirectional + zero ()	()	()	() (R) RAD
()						
()						
()						
()						
()						
()						
()						
(X)						

(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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