

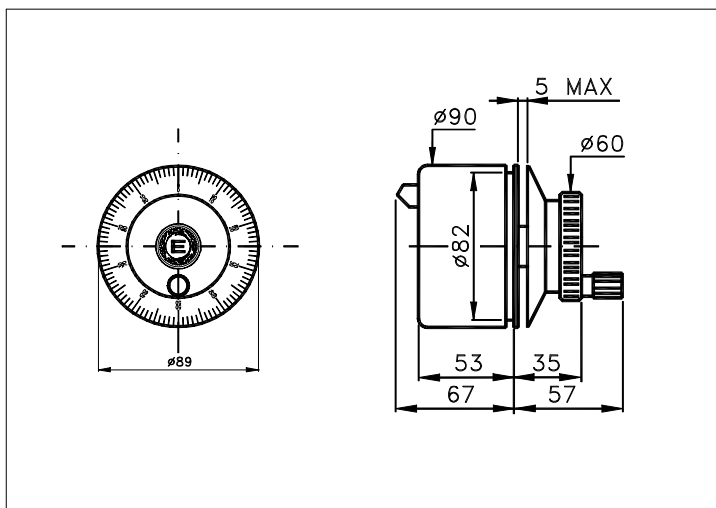
ELECTRONIC HANDWHEEL FOR PANEL

VES110

ELECTRONIC HANDWHEEL WITH 'SERVO MOUNT' MOUNTING FLANGE.
DIFFERENT CONNECTIONS CHOICES, MANY ELECTRONICS AND VOLTAGES ARE
AVAILABLE.
IT IS POSSIBLE TO HAVE A CUSTOM CENTRAL LOGO.

Elect.handwheel for panel
01.VES110 1/2
data sheet . IV004 E00

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



TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- **Housing**.....: ANODIZED ALUMINIUM
- **Knob/scale plate**...: ANODIZED ALUMINIUM
- **Weight**.....: 850 g
- **Cover**.....: ANODIZED ALUMINIUM
- **Shaft**.....: STAINLESS STEEL
- **IP output side.(°)**:: see 'CONNECTIONS' of page 2
- **IP shaft side..(°)**:: 65
- **Impact resistance**..: 50 G x 11ms
- **Vibration strenght**..: 12 G (10 ÷ 2000 Hz)
- **Starting torque Nm**:: 0,15
- **Rotat. life @ 200 RPM**: >= 1000000 h
- **Operating temperature**: 0 ÷ 70 °C
- **Storage temperature**..: -30 ÷ 85 °C
- **Pulses per revolution**: 100 (std) (*)
1 ÷ 2500 (clutched)
- **Max consumption mA**...: std 80 line driver 150
- **Light source**.....: LED with >= 100000 h life

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

(*) with detent at each step

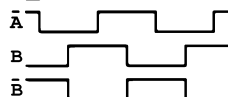
ELECTRONICS

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									
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									

(§)



(§)



(§)

(§)

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:	
F	Clutched			CV								AX	
N	Black knob											RAD	
E	Custom central logo			CONNECTOR								OUTPUT:	
K	Invert. phase A,B,Zero			CM	SM	CL	SL	CD	CH	CH5	CI	AX	
G	Tropicalization			CE			C4	CH6				RAD	
M	Impregnated electronic			CABLE END CONNECTOR								OUTPUT:	
				VM	TM	VL	TL	VD	VH	VH5	VI	AX	
				VE	VK	TK	VN	VH6	VM5	VM9	VS	RAD	
X	Custom options			VD5									
				TERMINAL BOX								OUTPUT:	
				MS								AX	
ORDERING INFORMATION													

ORDERING INFORMATION

(F) (N) () (E) (K) (G) (M) () () () (X)	() STANDARD NPN (K) NPN OPEN COLL (Q) NPN (R) NPN OPEN COLL (P) PNP (U) PNP OPEN COLL (B) PUSH-PULL PRO (H) PUSH-PULL (N) DRIVER 26LS31 () (C) DRIVER 88C30 (L) 2x PUSH-P.P.PRO (M) 2x PUSH-PULL () () (X) CUSTOM OPTION ()	CABLE IP65 (CV) 1m long () () TERMINAL BOX IP00 (MS) Phoenix ()	CONNECTOR (CM) 7c norm. IP65 (SM) 7c sealed IP66 (CL) 10c norm. IP65 (SL) 10c sealed IP66 (CD) 9c sub D IP63 (CH) 12c ccw IP67 (CH5) 12c cw IP67 (CI) 12c crimp. IP64 (CE) 5c miniat IP64 () () (C4) 4c screw IP65 (CH6) 12c cw IP67 ()	CABLE END CONNECTOR IP65 encoder output (VM) 7c normal (TM) 7c sealed (VL) 10c normal (TL) 10c sealed (VD) 9c (VH) 12c anticlock. (VH5) 12c clock-wise (VI) 12c crimped (VE) 5c (VK) 17c normal (TK) 17c sealed (VN) 12c (VH6) 12c clock-wise (VM5) 26c (VM9) 16c (VS) 12c (VD5) 9c screened
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OPTIONS	MODEL	PULSES/REVOL.	POWER SUPPLY	VERSION (1)	ELECTRONIC (1)	CONNECTION (2)	OUTPUT
VES110	/	100	/	5	/	BZ	/
						N	/
						CV	/

Clutched (*)	1÷2500 100	(5) 5 V ±5% (824) 8÷24 V (1828) 18÷28 V (815) 8÷15 V (12) 12 V ±5% (24) 24 V ±5% (1230) 12÷30/12 V (8245) 8÷24/5 V (1030) 10÷30 V (18285) 18÷28/5 V (1530) 15÷30/15 V ()	(B) Bidirezionale	AX RAD	() (R)
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NOTE: FOR 88C30 MAX 15 Vdc

(*) With detent at each step

(1) For further informations see ELECTRONIC data sheet

(2) For further informations 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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