

PORTABLE ELECTRONIC HANDWHEEL

VP51

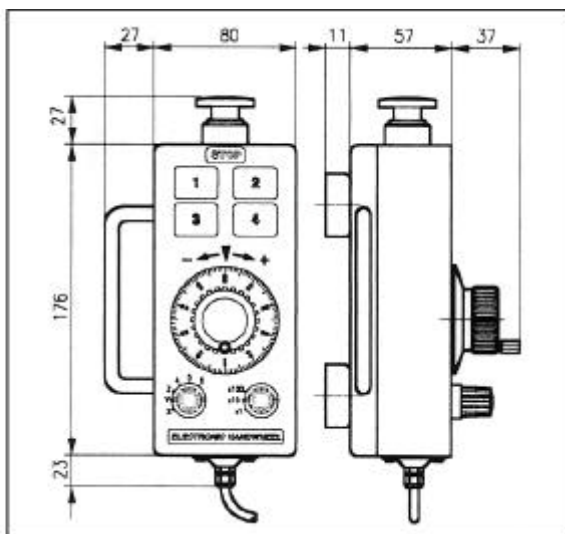
STURDY PORTABLE HANDWHEEL WITHOUT INSIDE ELECTRONIC COUNTER, MADE TO BE CONNECTED TO THE CNC THROUGH A SPIRAL CABLE.

VP51 HAS SWITCHES THAT ALLOW THE TO SELECT THE CNC RESOLUTION AND AXIS AND FOUR PUSH BUTTONS TO REMOTE FUNCTIONS OF CNC.

Portable electr. handwheel
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data sheet IP 004 E00

Sized draw standard version: VD4
Measures without tolerance according to UNI ISO 2768-mk



VP51 is a portable handwheel to connect through a spiral cable to the CNC. The knob steps (100 PPR) have a detent at each division or upon request it is available clutched. A mushroom-head push button allows to immediately stop the machine tool. Two electronic switches allow to select the CNC resolution and the axis. Four push buttons, set on frontal panel, allow to remote four functions of CNC. A handle (available upon request on right or left side) allows a steady hold of the handwheel. Upon request VP51 is available with a magnetic coupler for a steady fixing to the machine tool and one or two dead-man-control push buttons. VP51 is extremely sturdy thanks to its completely metallic housing. Good resistance to external agent.

TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- **Housing**.....: PAINTED ALUMINIUM
- **Knob/scale plate**...: ANODIZED ALUMINIUM
- **Weight**.....: 1390 g
- **Display**.....: 100 DIV.ON KNOB'S FLANGE
- **Resolution**.....: 100 DIV./REV.
- **IP output side.(°)**:: see 'CONNECTIONS' of page 2
- **IP shaft side..(°)**:: 64
- **Impact resistance**..: 50 G x 11ms
- **Vibration strenght**..: 12 G (10 ÷ 2000 Hz)
- **Starting torque Nm**..: 0,12

- **Rotat. life @ 200 RPM**: >= 1000000 h
- **Operating temperature**: 0 ÷ 70 °C (*)
- **Storage temperature**..: -30 ÷ 85 °C
- **Pulses per revolution**: 100
- **Max consumption mA**...: std 120 line driver 180
- **Light source**.....: LED with >= 100000 h life
- **Connection**.....: spiral cable 3 m long with cable end connector (see ORDERING INFO.).

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

(*) custom options

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	C	DRIVER 88C30	20						
R	NPN	70									
P	NPN OPEN COLL	70									
U	PNP	70									
B	PNP OPEN COLL	70									
H	PUSH-PULL PRO	70									
	PUSH-PULL	70									
	(S)			(S)			(S)			(S)	
	A			A							
	B			B							

Tolerance between phases ± 25°, symmetry ± 15°

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

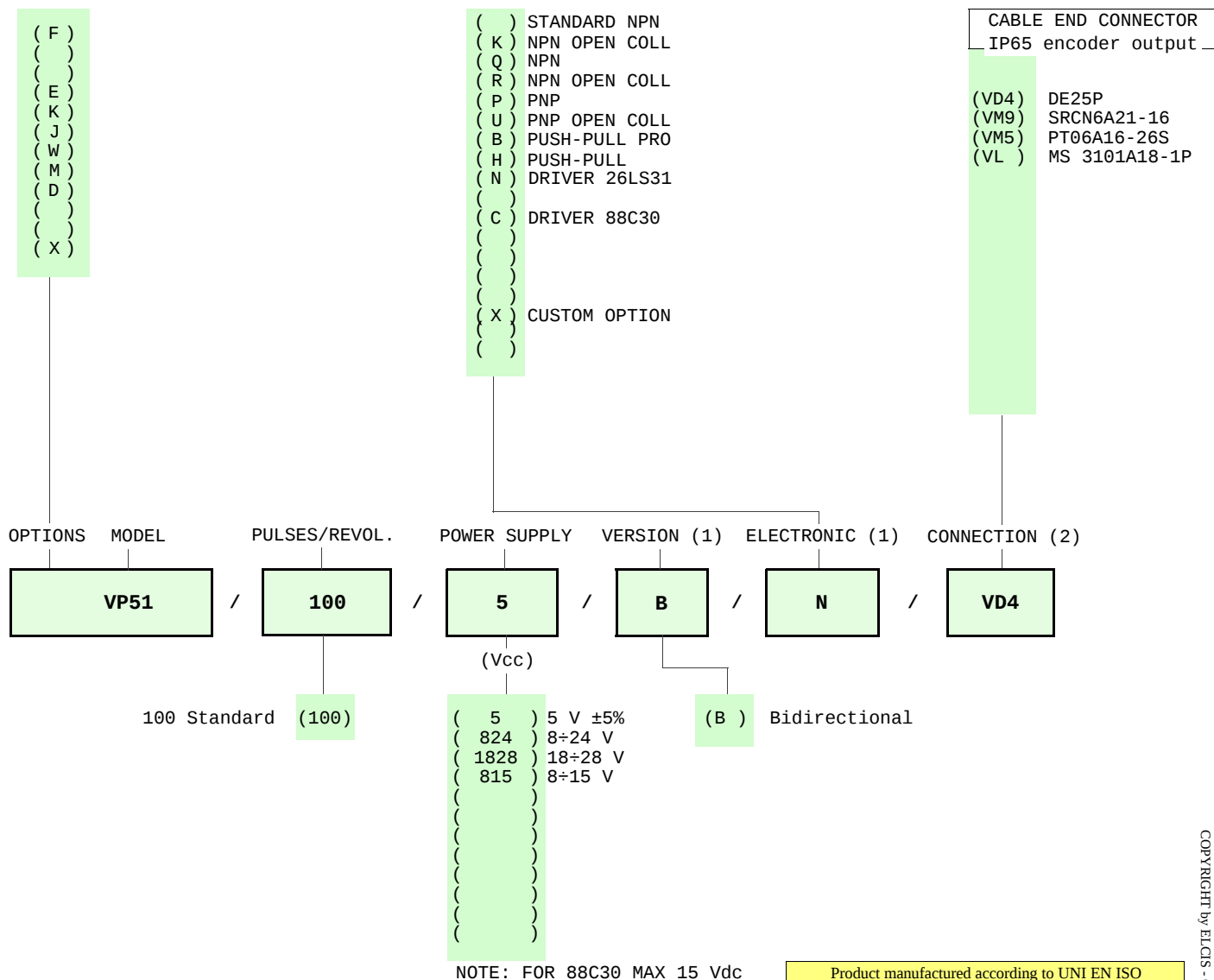


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Possible Options				Possible Connections			
Code	Description	Code	Description	Cable		Output:	
F	Clutched						
E	Custom central logo			Connector		Output:	
K	Invert. phase A,B,Zero						
J	Right consent P.B.						
W	Left consent P.B.						
M	Magnetic coupler			Cable End Connector		Output:	
D	Right handle			VD4 VM9 VM5 VL			
X	Custom options						
				Terminal Box		Output:	

ORDERING INFORMATION



(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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