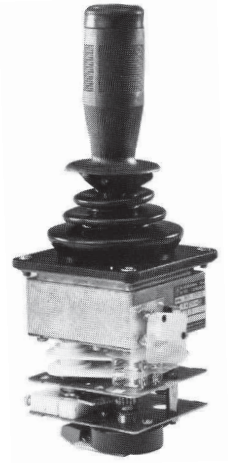
Multi-axis controller VV 5



Type VV51LB1T-2RP-…

The multi-axis controller VV 5 is a rugged switching device according IEC 947-5-1 EN 60947 DIN VDE 0660-200 for electro-hydraulic applications.
The modular design enables the switching device to be used universally.
The VV 5 is resistant to oil, maritime climate, ozone and UV radiation.

Contact complement 2 A 250 V AC 15 res. 3 A 24 V DC 13

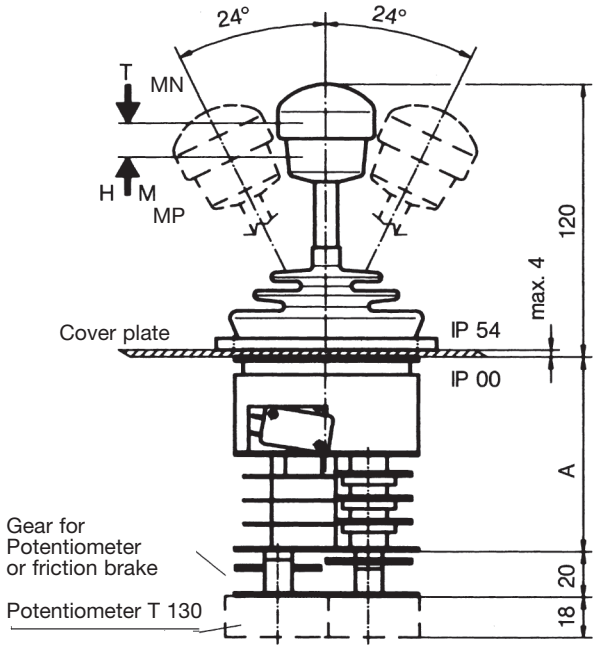
Mechanical life	10 million (operating cycles)
Permissible ambient temperature	Operation -40° C to +60° C Storage -50° C to +80° C
Climate resistance	
Damp heat constant	DIN IEC 68 part 2-3
Damp heat cyclic	DIN IEC 68 part 2-30
Degree of protection front	IP 54 IEC 529 DIN 40050
Technical data see catalog 5/100	
Description data see catalog 5/002	

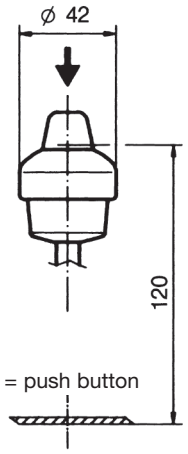
Spindle block with schematic representation of the master controller installation and deflection directions.
Version shown for left-hand side installation (right-hand side installation is mirror image).

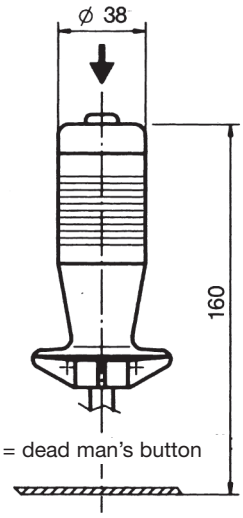
Deflection directions designated to DIN 15025

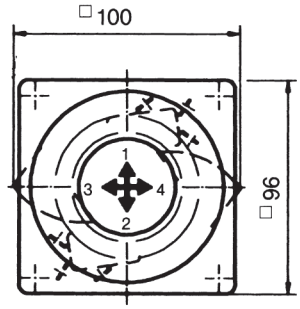
Pos.	VV 51	VV 5	Type expansion		Weight gramm	Type	Price EURO
1					500	VV 51	
2							
3					600	VV 5	
4							
5							
7.1	Multi-axis controller left	(dir. 1-2, 3-4)				L	
7.2	Multi-axis controller right	(dir. 5-6, 7-8)				R	
10	Gate cross-shaped	(prohibits diagonal shifting)			60	P	
11	Gate special-shaped	(e.g. H-gate)			60	PX	
20	Control-handle with knob solid						
21	Control-handle with latch for mechanical zero interlock						
21.1	by lifting				50	M	
21.2	by lifting, interlocking the gate or the joint bracket				60	MP	
21.3	by pushing down				50	MN	
21.4	Mechanical zero interlock with command devices see catalog 1/282						
22	Control-handle with dead man's button	1 NO			100	T	
23	Control-handle with signal button	1 NO			100	H	
24	Control-handle with push button	1 NO			110	D	
25	Control-handle with flat push button	1 NO			110	DV	
26	Control-handle with palm grip B 1				40	B 1	
27	Control-handle with palm grip B 1 with push button top 1 NO				60	B 1T	
28	Control-handle long or short						
28.1		-20 mm				S5	
28.2		+20 mm				S8	
29	More knobs, grips and T-grips with and without signal devices see catalog 1/280...						
30	Masterswitch (contact) switching sequenc 3-0-3			No. of contacts 1	150	1	
31				2	160	2	
32	Direction 1-2 and 3-4 each 1 masterswitch			3	170	3	
33	Switching program according contact-arrangement MS... see catalog 5/001		A...	4	180	4	
34	or to your contact-arrangement			5	190	5	
35				6	200	6	
36	Switching sequence 4-0-4						
38	Spring return in 0-position	(for each direction)			25	Z	
39	Friction brake adjustable	(for each direction)			30	R	
40	Potentiometer e.t.c. each masterswitch with mounted Wire-wound potentiometer T 130, with centre tap, 1,5 Watt wiper current max. 10 mA resistance 2 x 0,5k ≙ P021, 2 x 1k ≙ P022, 2 x 2k ≙ P023, 2 x 5k ≙ P024, 2 x 10k ≙ P025		...P02 □		70	P	
41	Prepared for mounting potentiometer shaft 6 mm adjusting-angle 2 x 150°					(P)	
42	Prepared for mounting potentiometer e.t.c. adjusting-angle variable.					(P)	
43	more Potentiometer e.t.c. see catalog 1/240...		P…				
50	Plastic housing I 120 x 160, masterswitch max. size 4				600	I	
52	More housing see catalog 1/350						
60	Indicating labels not engraved with 2 or 4 arrows						
61	Engraving, each 10 characters						
70	Command and indicating devices see catalog 1/360						

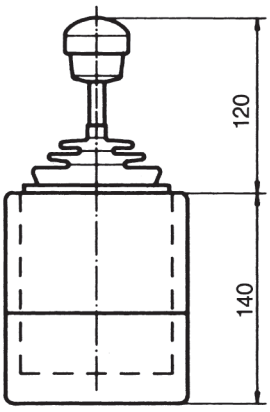
T = dead man's button
H = signal button
M = latch for mechanical zero interlock



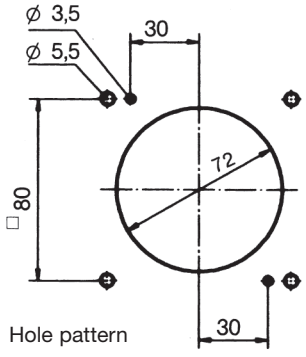






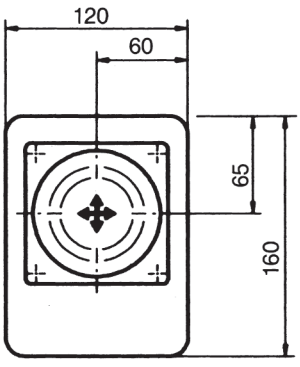


Plastic housing



Hole pattern

Type	No. of contacts	Dimension A
1	1	66
2	2	77
3	3	87
4	4	98
5	5	108
6	6	119



VV5 L S5 P B1T - 2 Z P + 1 R P -I- -X- A05 P024 +A98 P022

- VV5: multi-axis controller
- L: installation side L o. R
- S5: special control handle
- P: gate
- B1T: handle
- 2: contact dir. 1-2 (5-6)
- Z: spring return dir. 1-2 (5-6)
- P: Potentiometer dir. 1-2 (5-6)
- 1: contact dir. 3-4 (7-8)
- R: friction brake dir. 3-4 (7-8)
- P: Potentiometer dir. 3-4 (7-8)
- -I-: plastic housing
- -X-: special please describe
- A05: Arrangement dir. 1-2 (5-6) see p. 5/001
- P024: Potentiometer description dir. 1-2 (5-6) see p. 1/240ff
- +A98: Arrangement dir. 3-4 (7-8) see p. 5/001
- P022: Potentiometer description dir. 3-4 (7-8) see p. 1/240ff