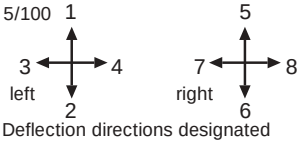
Multi-axis controller VV 8

The multi-axis controller VV8 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 VV8 is resistant to oil, maritime climate ozone and UV radiation.

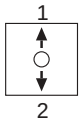
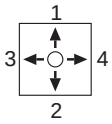
Contact complement 0,5 A 110 V AC 15 res. 1,5 A 24 V DC 13
I min > 0,2 mA 2 V DC 12 Gold plated for max. load of 0,12 Watt (standard)
or I max < 300 mA 0,4 V DC 12 max. capacity 0,12 Watt do not exceed!
I min >0,2 mA 2 V DC 12 max. contact reliability for very low current (special)

Mechanical life	12 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	look catalog 5/100
Description data look 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 81 / VV 8	Type	Weight gramm	Price EURO
1	 	VV 81	800	
2				
3		VV 8	900	
4				
5				
10	Gate cross-shaped (prohibits diagonal shifting)	P	60	
11	Gate special-shaped (for e. H-gate)	P	60	
12	Spring return in 0-position (for each direction)	Z	30	
13	Friktion brake (for each direction)	R	30	
14				
20	Control-handle with knob solid			
21	Control-handle with latch for mechanical zero interlock	M	50	
22	Control-handle with dead man's button 1 NO	T	100	
23	Control-handle with signal button 1 NO	H	100	
24	Control-handle with push button 1 NO	D	110	
25	Control-handle with flat push button 1 NO	DV	110	
26	Control handle with palm grip B 1	B 1	40	
27	Control handle with palm grip B 1 with push button top 1 NO	B 1T	60	
28	Control handle long or short 180, 140 mm			
29	More knobs, grips and T-grips with and without signal devices look catalog 1/280...			
30	Masterswitch switching sequence No. of contacts 1	1	20	
31	2	2	40	
32	Direction 1-2 and 3-4 each 1 masterswitch 3	3	60	
33	Switching program according contact-arrangement MS... look catalog 5/001			
34	or to your contact-arrangement			
35				
36	Switching sequence 3-0-3			
	Potentiometer e.t.c. each masterswitch with mounted			
40	Conductive-plastic-potentiometer T 301, with centre tap linear Life 10^7 switching cycles resistance 2 x 5 kOhm, 0,5 Watt wiper current max. 1 mA	P	70	
41	Prepared for mounting potentiometer shaft 6 mm adjusting-angle 2 x 120°	(P)		
42	Prepared for mounting potentiometer e.t.c. adjusting-angle variable.	(P)		
43	more Potentiometer e.t.c. look catalog 1/240...			
	Mechanical Encoder with mounted direction 1-2 and 3-4 each 1 Encoder life 5 x 10^6 switching cycles, 0,5 Watt wiper current max. 1 mA			
44	Mechanical Encoder MEC 3-1 male connector EA/14-10 contact-arrangement MS 21-0 look catalog 5/001 Conductive-plastic-potentiometer with centre tap linear resistance 2 x 2 kOhm and 2 x 5 kOhm	P	20	
50	Cover housing	B	300	
51	Filter plug M 20 for air-condition		20	
52	Cable entry M 20		30	
53	Plug in socket 14-pole female insert CPC 17 unwired		150	
54	Connector 14-pole male insert CPC 17 unwired		150	
55	Wiring plug in socket or connector each wired-connection			
56	Can-Bus Electronic look catalog 3/504			
60	Indicating labels not engraved with 2 or 4 arrows			
61	Engraved each 10 characters			

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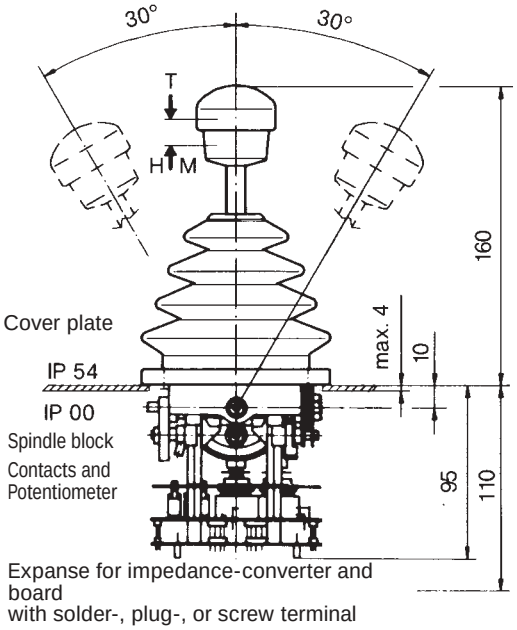
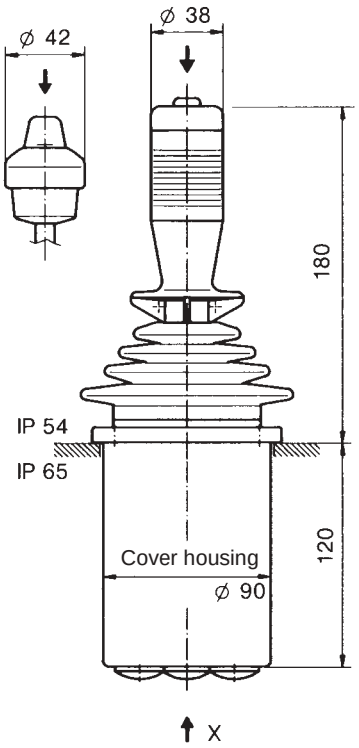
T = dead man's button
H = signal button
M = Latch for mechanical-zero interlock

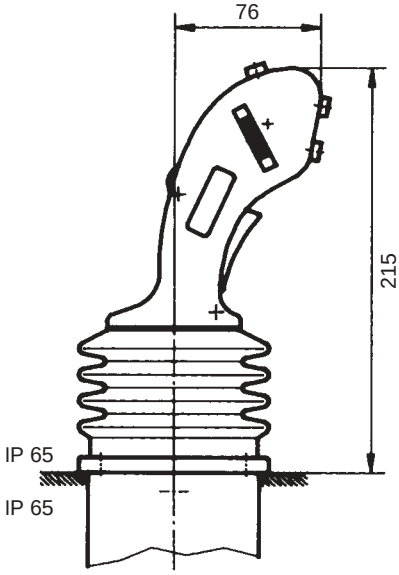
palm grip B 1
B 1 T = dead man's button

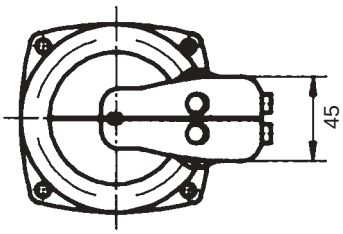
palm grip B 3
(look catalog 1/286)
for the 3. direction 11-12
for the 4. direction 13-14

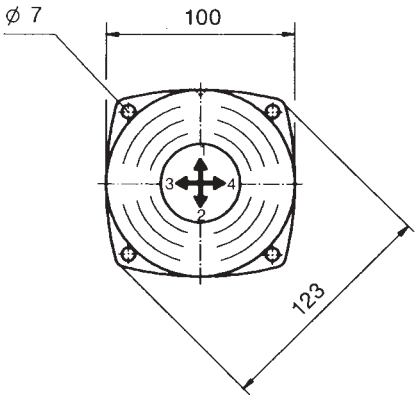
Knob solid
D = push button

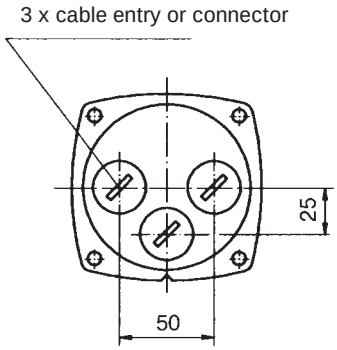




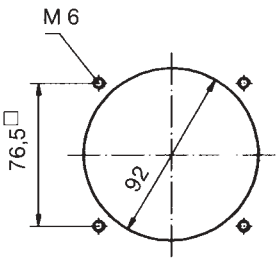








view X



Hole pattern

Example for type-sign B VV8 P T - 2 Z P + 3 R P - X

Cover housing	
Multi-axis controller	
Gate	
dead man's button	
Masterswitch direction 1-2	
Spring return direction 1-2	
	Special please to describe
	Potentiometer e.t.c. direction 3-4
	Friction brake direction 3-4
	Masterswitch direction 3-4
	Potentiometer e.t.c. direction 1-2