



Type B32DWKPA11-...

The palm grip B 3 is an actuating element for our multi-axis controller V 8, VV 8, V 6, VV 6, VV 5. It can also be used as an actuating element for hydraulic drives. Push buttons, rocker switches, e.t.c., can also be fitted to suit appropriate requirements. The drives with potentiometer PA 11/12 and PA 13 realised the direction 11-12 resp. 13-14 (3. resp. 4 axis) on our multi-axis controllers.

The palm grip has a highly flexible single wire 0,1 mm² x 450 mm long.

The mounting piece for the drive rod can be supplied with a tapped hole 12 or 10 mm (standard = 12 mm).

The palm grip B 3 is made of PA plastic and is black in colour.

**Contact complement 0,5 A 110 V AC 15 or 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)**

Micro change over contacts available on request

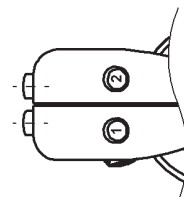
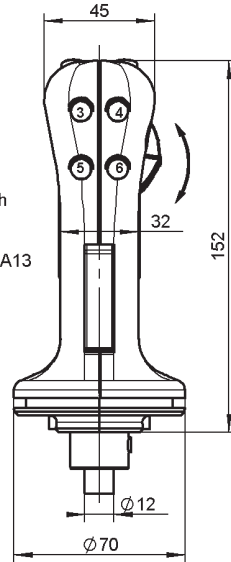
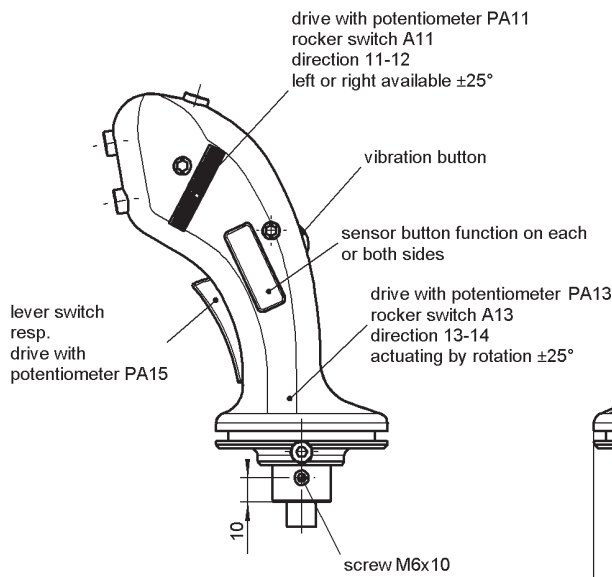
Permissible ambient temperature Operating -40°C to +60°C
Storage -50°C to +80°C

Climate resistance
Damp heat constant IEC 60068-2-78
Damp heat cyclic IEC 60068-2-30
Degree of protection front IP 65 IEC/IEC 60529

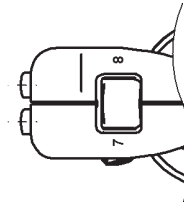
Pos.			Contact-complement	Weight gramm	Type	Price EURO
1	Palm grip with mounting piece for control-handle			200	B 3	
2	Push button color red RD, black BK, yellow YE, green GN, blue BU					
2.1	Push button protection P65 installed Pos. 1, 2, 3, 4, 5, 6		1 normally open	20	D	
2.2	Push button protection P67 installed Pos. 1, 2, 3, 4, 5, 6	KMD179	1 normally open	20	D	
2.3	Push button protection P65 installed Pos. 1-10, + 15-16	KDA21	1NO 0,1 A 24V DC 13	20	D	
4	Rocker switch installed Pos. 7 + 8	KEM/92	2 normally open			
4.1	Rocker switch tip-0-tip T-0-T			30	W	
4.2	Rocker switch 0-tip 0-T			30	W	
4.3	Rocker switch rest-0-tip R-0-T			30	W	
4.4	Rocker switch rest-0-rest R-0-R			30	W	
4.5	Rocker switch 0-rest 0-R			30	W	
4.6	Rocker switch rest - rest R - R			30	W	
6	Lever switch		1 normally open	30	K	
7	Sliding switch tip-0-tip T-0-T installed Pos. 13 + 14		2 normally open	40	ST	
8	Sliding switch rest-0-rest R-0-R installed Pos. 13 + 14		2 normally open	40	SR	
9	Push button with 2 steps Latch for mechanical interlock 4 contacts arrangement MS 212 see catalog 5/001 installed Pos. 11 + 12		4 normally open	90	ZD	
11	Drive with potentiometer PA 11 actuating by rocker wheel installed Pos. left or right with spring return in the centre position 1 conductive-plastic potentiometer T 375 with centre tap Linear 10° switching cycles resistance 2 x 5 kOhm 0,5 Watt wiper-current max. 1 mA, 2 direction-contacts		2 normally open	90	PA 11	
11.1	Rocker switch tip-0-tip T-0-T		2 normally open	70	A11	
11.2	Rocker switch rest-0-rest R-0-R		2 normally open	70	A11	
12	Drive with potentiometer PA 12 actuating by push button (details exactly PA 11) installed Pos. 11 + 12			90	PA 12	
13	Drive with potentiometer PA 13 actuating by rotating palm grip left resp. right with spring return in the centre position 1 conductive-plastic potentiometer T 375 with centre tap Linear 10° switching cycles resistance 2 x 5 kOhm 0,5 Watt wiper current max. 1 mA, 2 direction-contacts		2 normally open	90	PA 13	
13.1	Rocker switch tip-0-tip T-0-T		2 normally open	70	A13	
13.2	Rocker switch rest-0-rest R-0-R		2 normally open	70	A13	
15	Drive with potentiometer PA 15 actuating by lever switch with spring return in 0-position, 1 conductive-plastic potentiometer T 375 Linear 10° switching cycles resistance 5 kOhm 0,5 Watt wiper current max. 1 mA, 1 direction-contact		1 normally open	90	PA 15	
20	Vibrator button actuating through solenoid 24 V DC impulse signal 100% duty cycle factor (e.g. indication of cable movement)			60	V	
21	Sensor button and/or annexed with a regulator electronic board EY/42-10 or -11 24 V DC (separate)			20	SE	
30	Bellow for palm grip B 3 required for multi-axis controller V 8, VV 8	KMD 109				
31	Bellow for palm grip B 3 and front plate with 4 screws M5 x 15 (for mounting the bellow) required for multi-axis controller V 6, VV 6, VV 5	KMD 190 KBF 905				



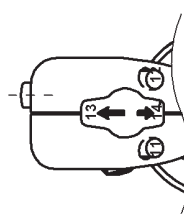
B3 with push button look catalog 1/286 Pos. 2.1 or 2.2



edition:
push button



edition:
rocker switch
installed Pos. 7,8
installed Pos. 3,4 inapplicable

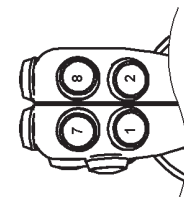
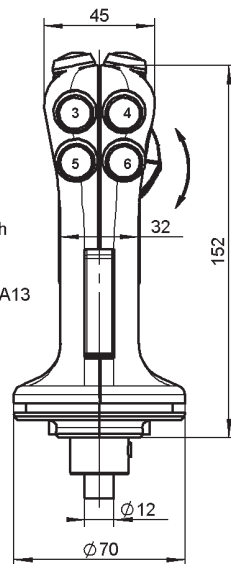
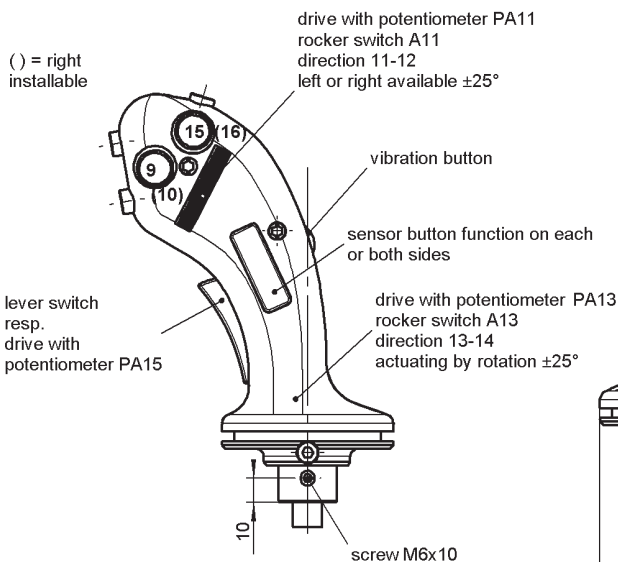


edition:
sliding switch
installed Pos. 13,14
installed Pos. 1,2,4,6,7,8
inapplicable

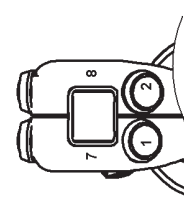
drive with potentiometer PA12 resp.
push button with 2 steps ZD
installed Pos. 11,12
PA11 resp. A11 inapplicable

edition: (only one option possible)
vibration button, drive with potentiometer PA 13 resp. A13, drive with potentiometer PA 15 resp. lever switch

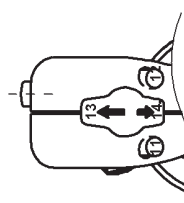
B3 with push button look catalog 1/286 Pos. 2.3



edition:
push button



edition:
rocker switch
installed Pos. 7,8
push button
installed Pos. 1,2



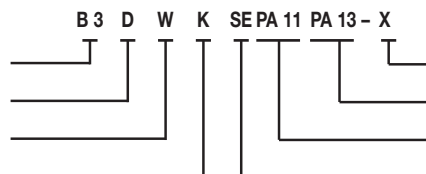
edition:
sliding switch
installed Pos. 13,14
installed Pos. 1,2,4,6,7,8,10,16
inapplicable

drive with potentiometer PA12 resp.
push button with 2 steps ZD
installed Pos. 11,12
PA11 resp. A11 inapplicable

edition: (only one option possible)
vibration button, drive with potentiometer PA 13 resp. A13, drive with potentiometer PA 15 resp. lever switch

Example for type-sign

- Palm grip
- Push button
- Rocker switch
- Lever switch



- Special please describe
- Drive with potentiometer PA 13
- Drive with potentiometer PA 11
- Sensor button