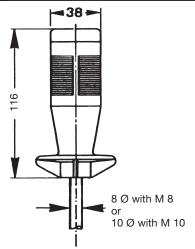


1/284 2006



The palm grip B 1 is an actuating element for our multi-axis and single-axis controller. It can also be used as an actuating element with hydraulic drives. Push buttons, rocker switches, e.t.c., can also be fitted to suit appropriate requirements. These devices have micro changeover contacts.

The palm grip has a highly flexible cable 4 (8) x 0,25 mm² x 450 mm long.

The mounting piece for the drive rod can be supplied with a tapped hole M 8 or M 10 (standard = M 10).

The palm grip B 1 is made of PPO plastic and is black in colour.

Contact complement 2 A 250 V AC 15 / 3 A 24 V DC 13 or 0,5 A 250 V AC 15 / 1,5 A 24 V DC 13

Permissible ambient temperature

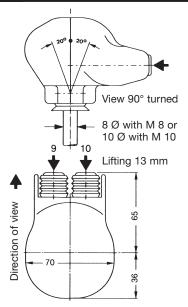
Operating -40°C to +60°C Storage -50°C to +80°C

Climate resistance Damp heat constant Damp heat cyclic Degree of protection front

Pos.				Contact- complement	Weight gramm	Part No. 5284	Туре	Price EURO
1		Without built in	KBAD / 22		100		B 1	
2 3 4		Rocker switch top tast-0-tast T-0-T Rocker switch top tast-0-rest T-0-R Rocker switch top rest-0-rest R-0-R	KBAD / 46	2 change over contacts 2 A 250 V AC 15	120		B 1 W	
5	***************************************	Rocker switch top tast-0-tast T-0-T with push button side	KBAD / 49	2 change over contacts 2 A 250 V AC 15 1 change over contact 0,5 A 250 V AC 15	130		B 1 WD	
6	+	Rocker switch top tast-0-tast T-0-T with 2 push button side	KBAD / 67	2 change over contacts 2 A 250 V AC 15 2 change over contacts 0,5 A 250 V AC 15	140		B 1 WDD	
7 8		Push button top with mechanical oper Push button top	ration KBAD / 27 KBAD / 25	1 change over contact 0,5 A 250 V AC 15	120 100		B1T B1D	
9	*	Push button top with 1 push button side Push button top with 2 push button side	KBAD / 47	2 change over contacts 0,5 A 250 V AC 15 3 change over contacts 0,5 A 250 V AC 15	120 130		B 1 DD	
11 12 13	***************************************	1 push button side 2 push button side 3 push button side	KBAD / 50	change over contacts 0,5 A 250 V AC 15	110 120 130		B 1 D B 1 DD B 1 DDD	
14		Push button top with Rocker switch side tast-0-tast (protection IP 41) T-0-T	KBAD / 75	1 change over contact 0,5 A 250 V AC 15 2 change over contacts 0,5A 250V AC 15	120		B 1 DW	
15 16 17	•	Lever switch side 0-tast mechanical operation Lever switch side 0-tast 1 contact Lever switch side 0-tast 2 contacts	eration KBAD / 126 KBAD / 54	change over contacts 2 A 250 V AC 15	150 120 130		B 1 KT B 1 K B 1 KK	
21 22		Cable 4 res. 8 x 0,25 mm² x 450 mm lewired included Pos. 1-17 Additional price per metre cable 4-pole Additional price per metre cable 8-pole	е					



1/285 2006



The palm grip B 2 is an actuating element for our multi-axis controller V 8. It can also be used as an actuating element for hydraulic drives.

With each of the two push button one direction-contact (micro change over contact) also one

potentiometer pushed. These palm grip realised the 3. direction 9-10 (3. axis) on our multi-axis

The palm grip has a highly flexible cable 8 x 0,25 mm² x 450 mm long.

The mounting piece for the drive rod can be adjusted steplessly up to 20° in all directions.

The palm grip B 2 is made of PPO plastic and is black in colour.

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)

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

Climate resistance DIN IEC 68 part 2-3 Damp heat constant

DIN IEC 68 part 2-30 IP 54 IEC 529 DIN 40050 Damp heat cyclic Degree of protection front

Pos.		Weight gramm	Part No. 5285	Туре	Price EURO
1	Palm grip with mounting piece for control-handle	200		В2	
2	Latch for mechanical interlock for the push buttons	30		М	
3	2 direction-contacts	30		2	
4	2 wire-wound potentiometer T 239 linear life 5 x 10° switching cycles resistance 1,2,5 kOhm 1 Watt wiper current max. 10 mA	60		PP	
5 6	2 conductive-plastic potentiometer T 301 linear life 10 ⁷ switching cycles resistance 1,2,5 kOhm 0,5 Watt wiper current max. 1 mA more potentiometer e.t.c. look catalog 1/240	50		PP	
10	Impedance converter Input ±15 Volt, Output ±10 V /5 mA	50		I	
22	Cable 8 x 0,25 mm² x 450 mm long wired included Pos. 1-10 Additional price per metre cable 8-pole				

B2 M - 2 PP I - X Example for type-sign Palm grip Mechanical interlock No. of contacts

Special please to describe Impedance converter Potentiometer e.t.c.



1/286 2006



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.

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)

(standard = 12 mm). The palm grip B 3 is made of PPO plastic and is black in colour.

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)

Permissible ambient temperature

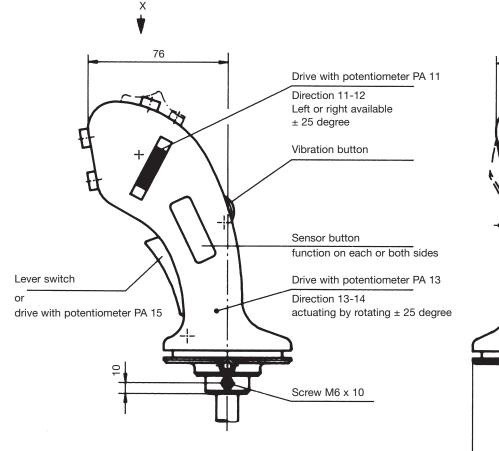
Operating -40°C to +60°C Storage -50°C to +80°C

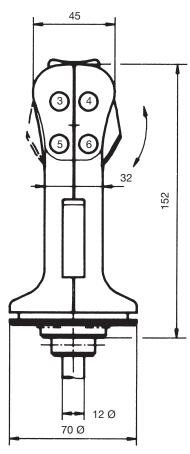
Climate resistance
Damp heat constant
Damp heat cyclic
Degree of protection front

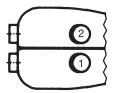
Pos.	'		Weight gramm	Part No. 5286	Туре	Price EURO
1	Palm grip with mounting piece for control-handle		200		B 3	
2	Push button 1 NO color red RD, black BK, yellow YE, green GN, blue	installed Pos. 1, 2, 3, 4, 5, 6 e BU	20 30		D W	
3	Rocker switch tast-0-tast T-0-T 2 NO	installed Pos. 1 + 2	30		W	
4	Rocker switch tast-0-rest T-0-R 2 NO	installed Pos. 1 + 2	30		W	
5	Rocker switch rest-0-rest R-0-R 2 NO	installed Pos. 1 + 2	30		K	
6	Lever switch 1 NO		40		ST	
7	Sliding switch tast-0-tast T-0-T 2 NO	installed Pos. 13 + 14	40		SR	
8	Sliding switch rest-0-rest R-0-R 2 NO	installed Pos. 13 + 14	90		ZD	
9	Push button with 2 steps Latch for mechanical zero interlock 4 contacts arrangement MS 212 loc	installed Pos. 11 + 12 ok catalog 5/001				
11	Drive with potentiometer PA 11 actuating by rocker Pos. left or right with spring return in the centre p 1 conductive-plastic potentiometer T 375 with centre resistance 2 x 5 kOhm 0,5 Watt wiper-current max 2 direction-contacts Drive with potentiometer PA 12 actuating by push button (details exactly PA 11)	osition e tap Linear 10 ⁷ switching cycles	90		PA 11	
13	Drive with potentiometer PA 13 actuating by rotat left resp. right with spring return in the centre pos 1 conductive-plastic potentiometer T 375 with centresistance 2 x 5 kOhm 0,5 Watt wiper current n	ition e tap Linear 10 ⁷ switching cycles	90		PA 13	
15	Drive with potentiometer PA 15 actuating by lever in 0-position, 1 conductive-plastic potentiometer T resistance 5 kOhm 0,5 Watt wiper current max.	375 Linear 10 ⁷ switching cycles	90		PA 15	
20	Vibrator button actuating through solenoid 24 V D impulse signal 100% duty cycle factor (e.g. indica	tion of cable movement)	60		V	
21	Sensor button and res. or annexed with a regulate EY/42-10 or -11 24 V DC (separate)	or electronic board	20		SE	
22 23						
30	Bellow for palm grip B 3 drawing No. KMD 109 required for multi-axis controller V 8, VV 8					
31	Bellow for palm grip B 3 drawing No. KMD 190 at 4 screws M5 x 15 (for mounting the bellow) drawing required for multi-axis controller V 6, VV 6, VV 5					
32 33	required for multi-axis controller v o, vv o, vv s					



1/287 2006

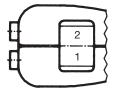




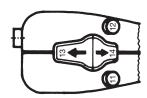


View X

Edition: Push button Edition:
Vibrator button only one
Drive with potentiometer PA 13 version
Drive with potentiometer PA 15 possible

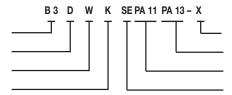


Edition: Rocker switch (installed Pos. 3, 4 inapplicable)



Edition:
Sliding switch installed Pos. 13, 14
installed Pos. 1, 2, 4, 6 inapplicable
Drive with potentiometer PA 12 direction 11 - 12 installed Pos. 11, 12
PA 11 inapplicable
Push button with 2 steps ZD installed Pos. 11 - 12
PA 11, 12 inapplicable

Example for type-sign
Palm grip
Push button
Rocker switch
Lever switch



Special please to describe

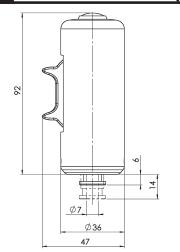
Drive with potentiometer PA 13

Drive with potentiometer PA 11

Sensor button



1/288 2006



The palm grip B 4 is an actuating element for our multi-axis controller V 10, V 11, V 14. 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 drive with potentiometer PA 11 realised the direction 11-12 (3. axis) on our multi-axis

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 8 mm. The palm grip $\dot{\rm B}$ 4 is made of PPO plastic and is black in colour.

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)

Permissible ambient temperature

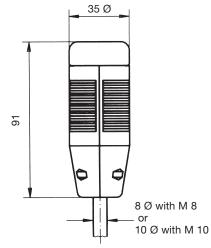
Operating -40°C to +60°C Storage -50°C to +80°C

Climate resistance Damp heat constant Damp heat cyclic
Degree of protection front

Pos.		Weight gramm	Part No. 5288	Туре	Price EURO
1	Palm grip with mounting piece for control-handle	120		B 4	
2	Push button 1 NO 100 mA 24 V DC 13	20		D	
3					
5					
6					
10					
11	Drive with potentiometer PA 11 actuating by rocker wheel with spring return in the centre position 1 conductive-plastic potentiometer T 394 with centre tap Linear 10 ⁷ switching cycles resistance 2 x 5 kOhm 0,5 Watt wiper current max. 1 mA 2 direction-contacts	90		PA 11	
20					
30 31					
32 33					



1/289 2006



The palm grip B 5 is an actuating element for our multi-axis and single-axis controller. 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 palm grip has a highly flexible cable 4 (8) x 0,25 mm² x 450 mm long.

The mounting piece for the drive rod can be supplied with a tapped hole M 8 or M 10 (standard = M 10).

The palm grip B 5 is made of PPO plastic and is black in colour.

Contact complement 2 A 250 V AC 15 / 3 A 24 V DC 13 or 0,5 A 250 V AC 15 / 1,5 A 24 V DC 13

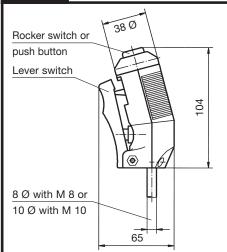
Operating -40°C to +60°C Storage -50°C to +80°C Permissible ambient temperature Storage

Climate resistance Damp heat constant DIN IEC 68 part 2-3 DIN IEC 68 part 2-30 IP 54 IEC 529 DIN 40050 Damp heat cyclic Degree of protection front

Pos.				Contact- complement	Weight gramm	Part No. 5289	Туре	Price EURO
1	0 0	without built in	KBAD / 254		100		B 5	
2 3 4	0	Rocker switch top tast-0-tast T-0-T Rocker switch top tast-0-rest T-0-R Rocker switch top rest-0-rest R-0-R	KBAD / 248	2 change over contacts 2 A 250 V AC 15	120		B 5 W	
5		Rocker switch top tast-0-tast T-0-T with push button side	KBAD / 294	2 change over contacts 2 A 250 V AC 15 1 change over contact 0,5 A 250 V AC 15	130		B 5 WD	
7 8	0	Push button top mechanical operation Push button top	KBAD / 311 KBAD / 250	1 change over contact 0,5 A 250 V AC 15	120 100		B 5 T B 5 D	
9	0	Push button top with 1 push button side	KBAD / 252	2 change over contacts 0,5 A 250 V AC 15	120		B 5 DD	
11 12		1 push button side 2 push button side	KBAD / 246	change over contact 0,5 A 250 V AC 15	110 120		B 5 D B 5 DD	
21 22		Cable 4 res. 8 x 0,25 mm² x 450 mm long wired included in Pos. 1-12 Additional price per metre cable 4-pole Additional price per metre cable 8-pole						



1/290 2006



The palm grip B 6 is an actuating element for our multi-axis and single-axis controller. It can also be used as an actuating element with hydraulic drives. Push buttons, rocker switches, e.t.c., can also be fitted to suit appropriate requirements. These devices have micro changeover contacts.

The palm grip has a highly flexible cable 4 (8) x 0,25 mm² x 450 mm long.

The mounting piece for the drive rod can be supplied with a tapped hole M 8 or M 10 (standard = M 10).

The palm grip B 6 is made of PPO plastic and is black in colour.

Contact complement

Permissible ambient temperature

Operating -40°C to +60°C Storage -50°C to +80°C Storage

Climate resistance Damp heat constant

DIN IEC 68 part 2-3

Damp heat cyclic Degree of protection front DIN IEC 68 part 2-30 IP 54 IEC 529 DIN 40050

Pos.			Contact- complement	Weight gramm	Part No. 5290	Туре	Price EUR(
1	with built in lever switch side 0-tast	KBAD/	1 change over contact 0,5 A 250 V AC 15	120		B 6 K	
2 3 4	Lever switch side 0-tast with rocker switch top tast-0-tast with rocker switch top tast-0-rest T-0-f with rocker switch top rest-0-rest R-0-	R KBAD/	3 change over contacts 0,5 A 250 V AC 15	130		B 6 KW	
5	Lever switch side 0-tast with push button top	KBAD/	2 change over contacts 0,5 A 250 V AC 15	130		B 6 KD	
21 22	Cable 4 res. 8 x 0,25 mm² x 450 mm lon wired included Pos. 1-5 Additional price per metre cable 4-pole Additional price per metre cable 8-pole	g					



Palm grip B 7 / B 8

1/292 2006



The palm grip B 7 is an actuating element for our multi-axis controller V 8, W 8, V 6, WV 5, design left, B 8 for design right. 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 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 7/8 is made of PPO plastic and is black in colour.

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)

Permissible ambient temperature

Operating -40°C to +60°C Storage -50°C to +80°C

Climate resistance

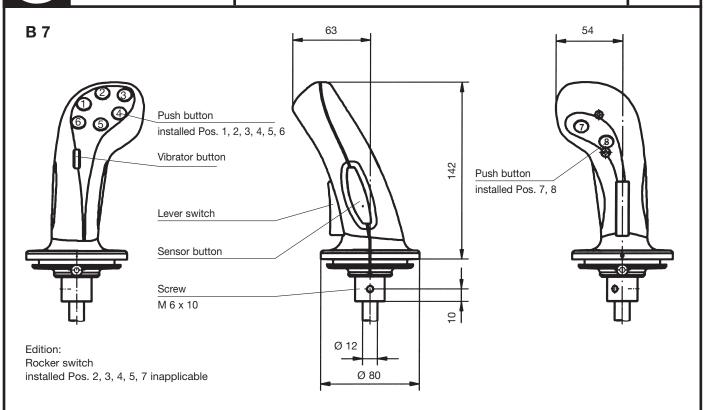
Storage

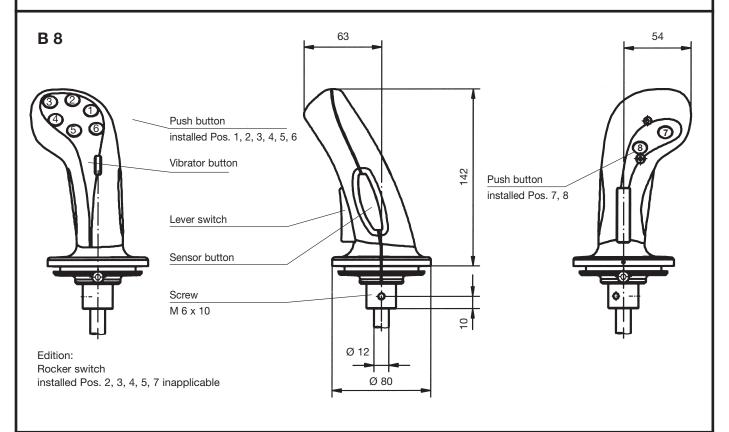
Damp heat constant Damp heat cyclic Degree of protection front

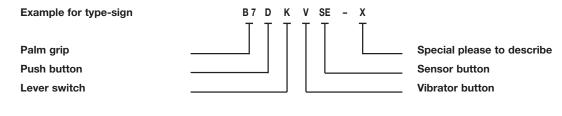
		gramm	5292	Type	EURO
Palm grip with mounting piece for control-handle design left		200		B 7	
Palm grip with mounting piece for control-handle design right		200		B 8	
Push button 1 NO installed Pos. 1, 2, 3, 4, 5, 6, 7, 8 color red RD, black BK, yellow YE, green GN, blue BU, white WH		20		D	
Rocker switch tast-0-tast T-0-T 2 NO installed Pos. 2, 3, 4		30		W	
Rocker switch tast-0-rest T-0-R 2 NO installed Pos. 2, 3, 4		30		W	
Rocker switch rest-0-rest R-0-R 2 NO installed Pos. 2, 3, 4		30		W	
Lever switch 1 NO		30		K	
Vibrator button actuating through solenoid 24 V DC impulse signal 100%		60		V	
Sensor button and res. or annexed with a regulator electronic board		20		SE	
2.7.2.002.00000000000000000000000000					
Bellow for palm grip B 7/8 drawing No. KMD 109 required for multi-axis controller V 8, VV 8 Bellow for palm grip B 7/8 drawing No. KMD 190 and front plate with 4 screws M5 x 15 (for mounting the bellow) drawing No. KBF 905 required for multi-axis controller V 6, VV 6, VV 5					
	Palm grip with mounting piece for control-handle design right Push button 1 NO installed Pos. 1, 2, 3, 4, 5, 6, 7, 8 color red RD, black BK, yellow YE, green GN, blue BU, white WH Rocker switch tast-0-tast T-0-T 2 NO installed Pos. 2, 3, 4 Rocker switch tast-0-rest R-0-R 2 NO installed Pos. 2, 3, 4 Rocker switch rest-0-rest R-0-R 2 NO installed Pos. 2, 3, 4 Lever switch 1 NO Vibrator button actuating through solenoid 24 V DC impulse signal 100% duty cycle factor Sensor button and res. or annexed with a regulator electronic board EY / 42-10 or -11 24 V DC (separate) Bellow for palm grip B 7/8 drawing No. KMD 109 required for multi-axis controller V 8, VV 8 Bellow for palm grip B 7/8 drawing No. KMD 190 and front plate with 4 screws M5 x 15 (for mounting the bellow) drawing No. KBF 905	Palm grip with mounting piece for control-handle design right Push button 1 NO installed Pos. 1, 2, 3, 4, 5, 6, 7, 8 color red RD, black BK, yellow YE, green GN, blue BU, white WH Rocker switch tast-0-tast T-0-T 2 NO installed Pos. 2, 3, 4 Rocker switch tast-0-rest T-0-R 2 NO installed Pos. 2, 3, 4 Rocker switch rest-0-rest R-0-R 2 NO installed Pos. 2, 3, 4 Lever switch 1 NO Vibrator button actuating through solenoid 24 V DC impulse signal 100% duty cycle factor Sensor button and res. or annexed with a regulator electronic board EY / 42-10 or -11 24 V DC (separate) Bellow for palm grip B 7/8 drawing No. KMD 109 required for multi-axis controller V 8, VV 8 Bellow for palm grip B 7/8 drawing No. KMD 190 and front plate with 4 screws M5 x 15 (for mounting the bellow) drawing No. KBF 905	Palm grip with mounting piece for control-handle design right Push button 1 NO installed Pos. 1, 2, 3, 4, 5, 6, 7, 8 20 color red RD, black BK, yellow YE, green GN, blue BU, white WH Rocker switch tast-0-tast T-0-T 2 NO installed Pos. 2, 3, 4 Rocker switch tast-0-rest T-0-R 2 NO installed Pos. 2, 3, 4 Rocker switch rest-0-rest R-0-R 2 NO installed Pos. 2, 3, 4 Lever switch rest-0-rest R-0-R 2 NO installed Pos. 2, 3, 4 Lever switch rough solenoid 24 V DC impulse signal 100% duty cycle factor Sensor button actuating through solenoid 24 V DC impulse signal 100% duty cycle factor Sensor button and res. or annexed with a regulator electronic board EY / 42-10 or -11 24 V DC (separate) Bellow for palm grip B 7/8 drawing No. KMD 109 required for multi-axis controller V 8, VV 8 Bellow for palm grip B 7/8 drawing No. KMD 190 and front plate with 4 screws M5 x 15 (for mounting the bellow) drawing No. KBF 905	Palm grip with mounting piece for control-handle design right 200 Push button 1 NO installed Pos. 1, 2, 3, 4, 5, 6, 7, 8 20 color red RD, black BK, yellow YE, green GN, blue BU, white WH Rocker switch tast-0-tast T-0-T 2 NO installed Pos. 2, 3, 4 Rocker switch tast-0-rest T-0-R 2 NO installed Pos. 2, 3, 4 Rocker switch rest-0-rest R-0-R 2 NO installed Pos. 2, 3, 4 Lever switch 1 NO 30 Wibrator button actuating through solenoid 24 V DC impulse signal 100% duty cycle factor Sensor button and res. or annexed with a regulator electronic board EY / 42-10 or -11 24 V DC (separate) Bellow for palm grip B 7/8 drawing No. KMD 109 required for multi-axis controller V 8, VV 8 Bellow for palm grip B 7/8 drawing No. KMD 190 and front plate with 4 screws MS x 15 (for mounting the bellow) drawing No. KBF 905	Palm grip with mounting piece for control-handle design right Push button 1 NO installed Pos. 1, 2, 3, 4, 5, 6, 7, 8 20 D Color red RD, black BK, yellow YE, green GN, blue BU, white WH Rocker switch tast-0-tast T-0-T 2 NO installed Pos. 2, 3, 4 Rocker switch tast-0-rest T-0-R 2 NO installed Pos. 2, 3, 4 Rocker switch rest-0-rest R-0-R 2 NO installed Pos. 2, 3, 4 Lever switch 1 NO Vibrator button actuating through solenoid 24 V DC impulse signal 100% duty cycle factor Sensor button and res. or annexed with a regulator electronic board EY / 42-10 or -11 24 V DC (separate) Bellow for palm grip B 7/8 drawing No. KMD 109 required for multi-axis controller V 8, W 8 Bellow for palm grip B 7/8 drawing No. KMD 190 and front plate with 4 screws MS x 15 (for mounting the bellow) drawing No. KBF 905

Palm grip B 7 / B 8

1/293 2006









1/294 2006



The palm grip B 9 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 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 \mbox{mm}

(standard = 12 mm). The palm grip B 9 is made of PA plastic and is grey in colour.

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)

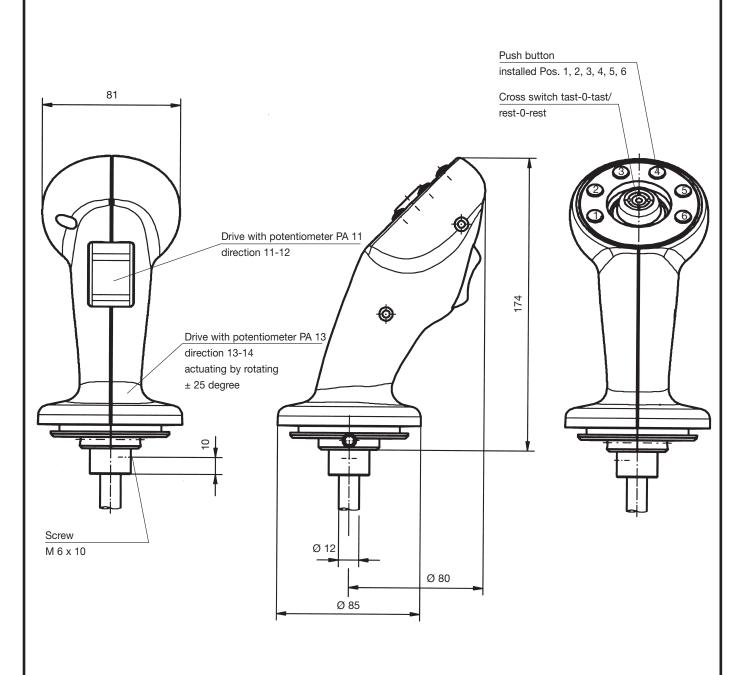
Permissible ambient temperature

Operating -40°C to +60°C Storage -50°C to +80°C Storage

Climate resistance Damp heat constant Damp heat cyclic Degree of protection front

Pos.			Weight gramm	Part No. 5294	Туре	Price EURO
1	Palm grip with mounting piece for control-handle		230		B 9	
2	Push button 1 NO installed F color red RD, black BK, yellow YE, green GN, blue BU, white	os. 1, 2, 3, 4, 5, 6 WH	20		D	
3	Cross switch tast-0-tast T-0-T / T-0-T 4 NO		60		KT	
5	Cross switch rest-0-rest R-0-R / R-0-R 4 NO		60		KR	
6						
10						
11	Drive with potentiometer PA 11 actuating by rocker wheel with spring return in the centre position 1 conductive-plastic potentiometer T 394 with centre tap Linear 10 ⁷ switching cycles resistance 2 x 5 kOhm 0,5 Watt wiper current max. 1 mA, 2 direction-contacts		90		PA 11	
13	Drive with potentiometer PA 13 actuating by rotating palm griwith spring return in the centre position 1 conductive-plastic potentiometer T 375 with centre tap Linear 10 ⁷ switching cycles resistance 2 x 5 kOhm 0,5 Watt wiper current max. 1 mA, 2 direction-contacts	left resp. right	90		PA 13	
30 31 32	Bellow for palm grip B 9 drawing No. KMD 109 required for multi-axis controller V 8, VV 8 Bellow for palm grip B 9 drawing No. KMD 190 and front plat 4 screws M5 x 15 (for mounting the bellow) drawing No. KBF required for multi-axis controller V 6, VV 6, VV 5					
33						





Palm grip
Push button
Cross switch

B 9 D KT PA 11 PA 13 - X

Special please to describe

Drive with potentiometer PA 13

Drive with potentiometer PA 11



Palm grip B 10-1 / B 10-2

1/296 2006



The palm grip B 10-1 is an actuating element for double-handle controller D 64, DD 64, D8. Control-handle left, B10-2 for control-handle right. 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 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 10 mm. The palm grip B 10 is made of PPO plastic and is black in colour.

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)

Permissible ambient temperature

Operating -40°C to +60°C storage -50°C to +80°C Storage

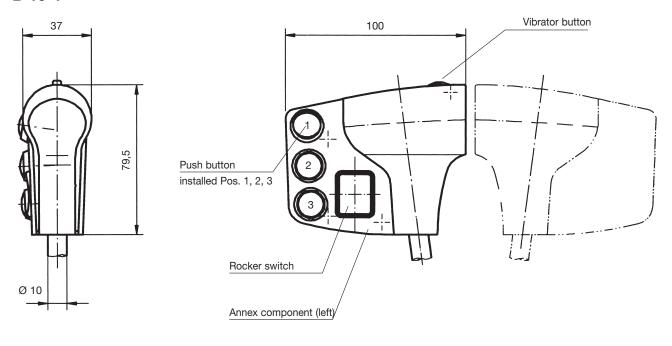
Climate resistance

Damp heat constant Damp heat cyclic Degree of protection front

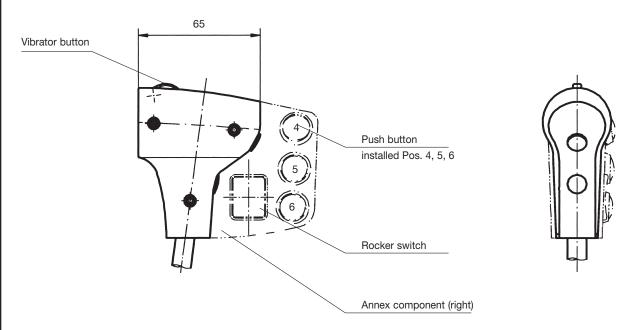
Pos.		Weight gramm	Part No. 5296	Туре	Price EUR
1	Palm grip with mounting piece for control-handle left	100		B 10-1	
2	Palm grip with mounting piece for control-handle left with annex component	130		B 10-1-1	
3	Palm grip with mounting piece for control-handle right	100		B 10-2	
4	Palm grip with mounting piece for control-handle right with annex component	130		B 10-2-2	
5	Push button 1 NO B 10-1 installed Pos. 1, 2, 3 B 10-2 installed Pos. 4, 5, 6	30		D	
6	Rocker switch tast-0-tast T-0-T 2 NO	30		W	
7	Rocker switch tast-0-rest T-0-R 2 NO	30		W	
8	Rocker switch rest-0-rest R-0-R 2 NO	30		W	
20	Vibrator button actuating through solenoid 24 V DC impulse signal 100% duty cycle factor	60		V	

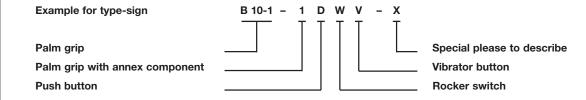






B 10-2







Palm grip B 14 / B 15

1/300 2006



The palm grip B 14 is an actuating element for our multi-axis controller V 8, W 8, V 6, WV 5 design left, B 15 for design right. 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 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 14/15 is made of PPO plastic and is black in colour.

Contact complement 0,125 A 110 V AC 15 res. 0,1 A 24 V DC 13

Permissible ambient temperature

Operating -40°C to +60°C Storage -50°C to +80°C

Climate resistance Damp heat constant Damp heat cyclic Degree of protection front

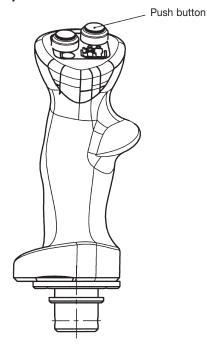
Pos.		Weight gramm	Part No. 5292	Туре	Price EURO
1	Palm grip with mounting piece for control-handle design left	200		B 14	
2	Palm grip with mounting piece for control-handle design right	200		B 15	
3	Push button 1 NO installed Pos. 1, 2 color red RD, black BK, yellow YE, green GN, blue BU, white WH	20		D	
30 31					
32 33					77

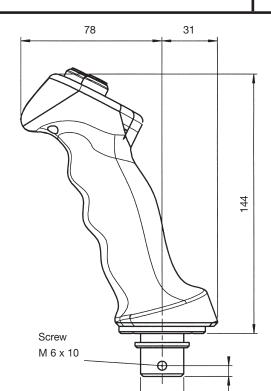


Palm grip B 14 / B 15

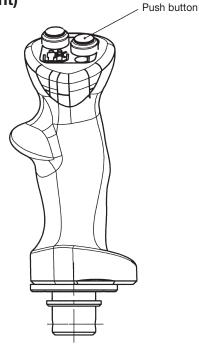
1/301

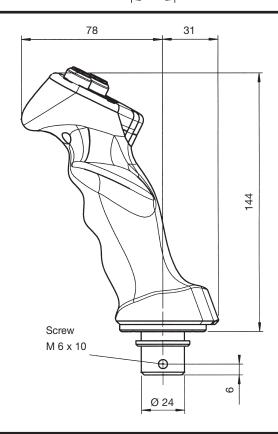






B 15 (right)





Ø 24

Example for type-sign

Palm grip
Push button



X
T
Special please to describe