



The Palm Grip B20 has different equipment options for many requirements. It is compatible with our Multi-Axis Controller or mounted on hydraulic drives. The Palm Grip has a highly flexible single wire (0,1 mm², 450 mm long). The mounting piece for the drive rod can be supplied with a tapped hole 12 mm.

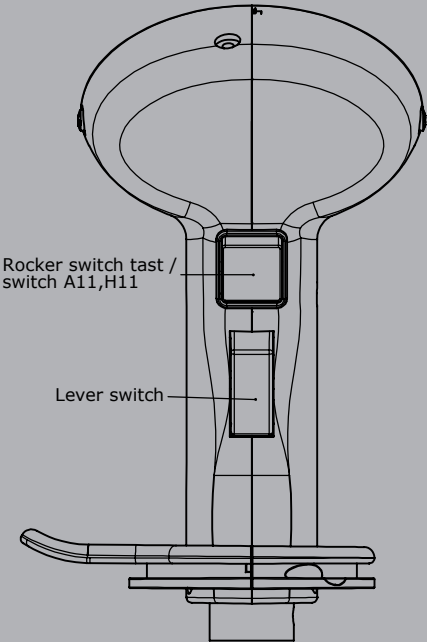
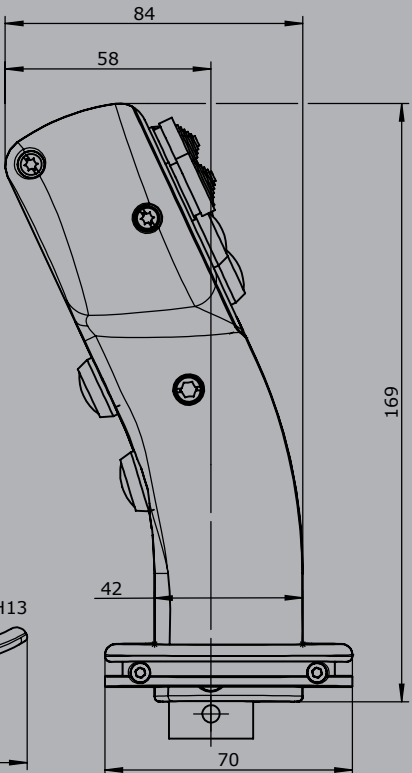
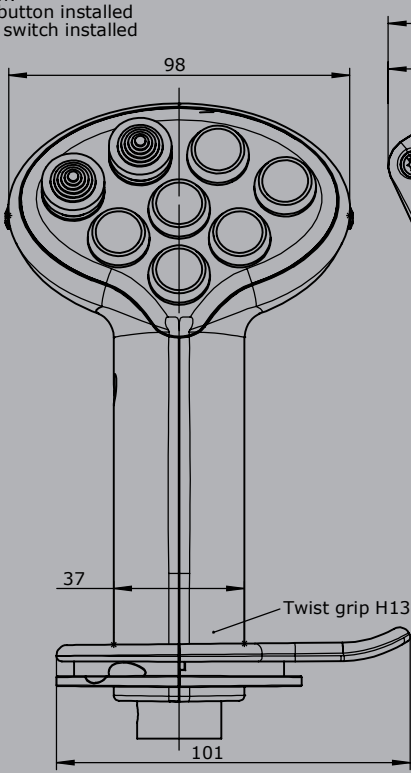
## Technical data

|                       |                                    |
|-----------------------|------------------------------------|
| Operating temperature | -40°C to +85°C                     |
| Degree of protection  | Control element up to IP67         |
| Contact complement    | 1,5A 24 V DC13 (*1 0,1A 24 V DC13) |

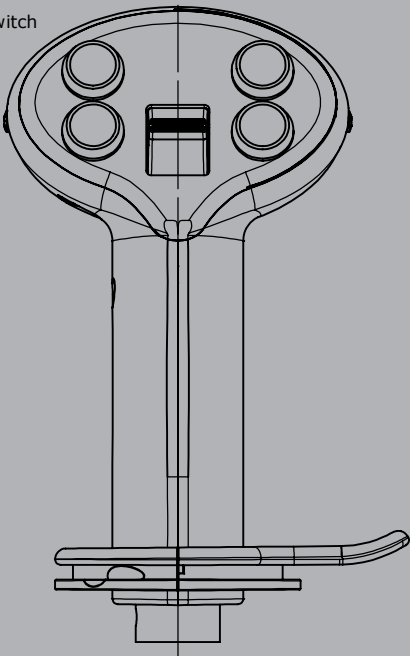


|                           |                                                                                                                                                                                              | Example |     |   |   |            |     |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|---|---|------------|-----|
|                           |                                                                                                                                                                                              | B20L    | -2D | W | K | V21        | H13 |
| Basic unit                |                                                                                                                                                                                              |         |     |   |   |            |     |
| B20L                      | Palm Grip left with hand pad                                                                                                                                                                 |         |     |   |   |            |     |
| B20R                      | Palm Grip right with hand pad                                                                                                                                                                |         |     |   |   |            |     |
| Digital actuating element |                                                                                                                                                                                              |         |     |   |   |            |     |
| D                         | Push Button KDA21 *1<br>Colour: red, black, yellow, green, blue, white, orange                                                                                                               |         |     |   |   |            |     |
| HD                        | Hall-Push Button (see page 160)                                                                                                                                                              |         |     |   |   |            |     |
| W                         | Rocker switch momentary (T) or maintained (R), colours: red, black, yellow, blue, white<br>Mechanical functions: T-0-T, 0-T, R-0-T, R-0-R, 0-R, R-R                                          |         |     |   |   |            |     |
| K                         | Lever switch                                                                                                                                                                                 |         |     |   |   |            |     |
| SE                        | Sensor Button capacitive with external control electronics                                                                                                                                   |         |     |   |   |            |     |
| S                         | Sensor Button capacitive without external control electronics<br>(Consistent with V85 / VV85 with interface E1xx to E7xx, E907 and V25/V27 with interfaces E3xx + E4xx + E6xx + E7xx + E907) |         |     |   |   |            |     |
| Analog actuating element  |                                                                                                                                                                                              |         |     |   |   |            |     |
| S12                       | Thumbwheel, output 0,5...2,5...4,5 V inverse dual (see page 155)                                                                                                                             |         |     |   |   |            |     |
| S16                       | Thumbwheel, output 0,5...2,5...4,5 V inverse dual (see page 158)                                                                                                                             |         |     |   |   |            |     |
| V21                       | Mini-Joystick, output 0,5...2,5...4,5 V inverse dual (see page 144)                                                                                                                          |         |     |   |   |            |     |
| HK                        | Hall-Cross Switch (see page 152)                                                                                                                                                             |         |     |   |   |            |     |
| P9                        | Thumbwheel with potentiometer                                                                                                                                                                |         |     |   |   |            |     |
| H13                       | Hall-Rotary Grip<br>Output 0,5...2,5...4,5 V inverse dual                                                                                                                                    |         |     |   |   |            |     |
| Special model             |                                                                                                                                                                                              |         |     |   |   |            |     |
| X                         | Special / customer specified                                                                                                                                                                 |         |     |   |   |            |     |
| Attachments               |                                                                                                                                                                                              |         |     |   |   |            |     |
| Z01                       | Bellow KMD 109                                                                                                                                                                               |         |     |   |   | 10300009   |     |
| Z02                       | Bellow KMD 190                                                                                                                                                                               |         |     |   |   | 10300093   |     |
| Z03                       | Rosette KBF 905 with 4 screws M5 x 15 necessary for bellow KMD 190                                                                                                                           |         |     |   |   | 5209900404 |     |

Edition:  
Push button installed  
Cross switch installed



Edition:  
Hall rocker switch  
Push button



Edition:  
Multi-axis controller V21  
Potentiometer drive PA9  
Push button

