

# Double-Handle Controller D8



The Double-Handle Controller D8 is a robust switching device for electro hydraulic and the hoisting applications. The modular design enables the switching device to be used universally.

## Technical data

|                       |                            |
|-----------------------|----------------------------|
| Mechanical life D8    | 8 million operating cycles |
| Operation temperature | -40°C to +85°C             |
| Degree of protection  | Up to IP54 front           |

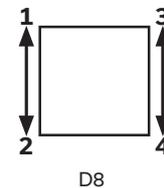


|   | D8 | S5 | Q / Q | -2ZP | +3 RP | -B | -A05 P184 | +A050 P184 | -E9012 | -S... | -X |
|---|----|----|-------|------|-------|----|-----------|------------|--------|-------|----|
| <b>Basic unit</b>                                       |    |    |       |      |       |    |           |            |        |       |    |
| D8 Double-Handle Controller                             |    |    |       |      |       |    |           |            |        |       |    |
| <b>Control-handle extended</b>                          |    |    |       |      |       |    |           |            |        |       |    |
| S5 -20 mm   |    |    |       |      |       |    |           |            |        |       |    |
| <b>Grip- control-handle left</b>                        |    |    |       |      |       |    |           |            |        |       |    |
| Q T-grip  |    |    |       |      |       |    |           |            |        |       |    |
| <b>Grip- control-handle right</b>                       |    |    |       |      |       |    |           |            |        |       |    |
| Q T-grip  |    |    |       |      |       |    |           |            |        |       |    |
| <b>Axis 1 (direction 1-2)</b>                           |    |    |       |      |       |    |           |            |        |       |    |
| 2 2 contacts (1,5A 24 V DC13)                           |    |    |       |      |       |    |           |            |        |       |    |
| Z Spring return   |    |    |       |      |       |    |           |            |        |       |    |
| P Potentiometer   |    |    |       |      |       |    |           |            |        |       |    |
| <b>Axis 2 (direction 3-4)</b>                           |    |    |       |      |       |    |           |            |        |       |    |
| 3 3 contacts (1,5A 24 V DC13)                           |    |    |       |      |       |    |           |            |        |       |    |
| R Friction brake  |    |    |       |      |       |    |           |            |        |       |    |
| P Potentiometer   |    |    |       |      |       |    |           |            |        |       |    |
| <b>Cover housing</b>                                    |    |    |       |      |       |    |           |            |        |       |    |
| B Cover housing   |    |    |       |      |       |    |           |            |        |       |    |
| <b>Description axis 1 (direction 1-2)</b>               |    |    |       |      |       |    |           |            |        |       |    |
| A05 Arrangement MSP21                                   |    |    |       |      |       |    |           |            |        |       |    |
| P184 Potentiometer T301 2 x 5 kOhm                      |    |    |       |      |       |    |           |            |        |       |    |
| <b>Description axis 2 (direction 3-4)</b>               |    |    |       |      |       |    |           |            |        |       |    |
| A050 Arrangement MSP21-0                                |    |    |       |      |       |    |           |            |        |       |    |
| P184 Potentiometer T301 2 x 5 kOhm                      |    |    |       |      |       |    |           |            |        |       |    |
| <b>Interface</b>  |    |    |       |      |       |    |           |            |        |       |    |
| E9012 Potentiometer output for proportional valve PVG32 |    |    |       |      |       |    |           |            |        |       |    |
| <b>Plug connector</b>                                   |    |    |       |      |       |    |           |            |        |       |    |
| S... Standard plug connector (see page 125)             |    |    |       |      |       |    |           |            |        |       |    |
| <b>Special model</b>                                    |    |    |       |      |       |    |           |            |        |       |    |
| X Special / customer specified                          |    |    |       |      |       |    |           |            |        |       |    |

Technical details may vary based on configuration or application! Technical data subject to change without notice!

|  | D8 | S5 | Q / Q | -2 Z P | +3 R P | -B | -A05 | P184 | +A050 | P184 | -E9012 | -X |
|--|----|----|-------|--------|--------|----|------|------|-------|------|--------|----|
| <b>Basic unit</b>                      |    |    |       |        |        |    |      |      |       |      |        |    |
| D8                                     |    |    |       |        |        |    |      |      |       |      |        |    |
| <b>Control-handle extended</b>         |    |    |       |        |        |    |      |      |       |      |        |    |
| Standard 160 mm*                       |    |    |       |        |        |    |      |      |       |      |        |    |
| S5 -20 mm                              |    |    |       |        |        |    |      |      |       |      |        |    |
| S8 +20 mm                              |    |    |       |        |        |    |      |      |       |      |        |    |
| *Only in combination with knob!        |    |    |       |        |        |    |      |      |       |      |        |    |
| <b>Grip- control-handle left</b>       |    |    |       |        |        |    |      |      |       |      |        |    |
| Knob                                   |    |    |       |        |        |    |      |      |       |      |        |    |
| M Mechanical zero interlock            |    |    |       |        |        |    |      |      |       |      |        |    |
| T Dead man                             |    |    |       |        |        |    |      |      |       |      |        |    |
| H Signal button                        |    |    |       |        |        |    |      |      |       |      |        |    |
| D Push button                          |    |    |       |        |        |    |      |      |       |      |        |    |
| Q T-grip                               |    |    |       |        |        |    |      |      |       |      |        |    |
| QD T-grip with push button side        |    |    |       |        |        |    |      |      |       |      |        |    |
| B10... Palm Grip B10... (see page 194) |    |    |       |        |        |    |      |      |       |      |        |    |
| <b>Grip- control-handle right</b>      |    |    |       |        |        |    |      |      |       |      |        |    |
| Knob                                   |    |    |       |        |        |    |      |      |       |      |        |    |
| M Mechanical zero interlock            |    |    |       |        |        |    |      |      |       |      |        |    |
| T Dead man                             |    |    |       |        |        |    |      |      |       |      |        |    |
| H Signal button                        |    |    |       |        |        |    |      |      |       |      |        |    |
| D Push button                          |    |    |       |        |        |    |      |      |       |      |        |    |
| Q T-grip                               |    |    |       |        |        |    |      |      |       |      |        |    |
| QD T-grip with push button side        |    |    |       |        |        |    |      |      |       |      |        |    |
| B10... Palm grip B10... (see page 194) |    |    |       |        |        |    |      |      |       |      |        |    |

Identification of the installation variants with switching directions:



|   | D8   | S5 | Q / Q             | -2 Z P | +3 R P | -B | -A05 | P184 | +A050 | P184 | -E9012 | -X                                    |
|---|------|----|-------------------|--------|--------|----|------|------|-------|------|--------|---------------------------------------|
| <b>Axis 1: direction 1-2 left</b>                                   |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| 1 1 contact   |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| 2 2 contacts  |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| 3 3 contacts  |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| Standard contact - arrangement see page 127                         |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| e.g.  |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| A98   |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| A05   |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| A050  |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| A99 contact - arrangement for customer request                      |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| Z Spring return   |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| R Friction brake  |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| (P) Mounting options for potentiometer and encoder (Gessmann-types) |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| P Potentiometer   |      |    |                   |        |        |    |      |      |       |      |        |                                       |
|   | P181 |    | T301 2 x 0,5 kOhm |        |        |    |      |      |       |      |        |                                       |
|   | P182 |    | T301 2 x 1 kOhm   |        |        |    |      |      |       |      |        |                                       |
|   | P183 |    | T301 2 x 2 kOhm   |        |        |    |      |      |       |      |        |                                       |
|   | P184 |    | T301 2 x 5 kOhm   |        |        |    |      |      |       |      |        |                                       |
|   | P185 |    | T301 2 x 10 kOhm  |        |        |    |      |      |       |      |        |                                       |
| More potentiometers on request!                                     |      |    |                   |        |        |    |      |      |       |      |        |                                       |
| H Hall-potentiometer  |      |    | E14811            |        |        |    |      |      |       |      |        |                                       |
|   |      |    |                   |        |        |    |      |      |       |      |        | 0,5...2,5...4,5 V / 4,5...2,5...0,5 V |

### Combination possibilities with our handles



D8 S5 Q / Q -2 Z P +3 R P -B A05 P184 +A050 P184 -E9012 -X

#### Axis 2: direction 3-4

- 1 1 contacts
- 2 2 contacts
- 3 3 contacts

Standard contact - arrangement see page 127  
 e.g.  
 A98  
 A05  
 A050  
 A99 contact - arrangement for customer request

- Z Spring return
- R Friction brake
- (P) Mounting options for potentiometer and encoder (Gessmann-types)

| P    | Potentiometer     |  |  |             |
|------|-------------------|--|--|-------------|
| P181 | T301 2 x 0,5 kOhm |  |  | I max. 1 mA |
| P182 | T301 2 x 1 kOhm   |  |  | I max. 1 mA |
| P183 | T301 2 x 2 kOhm   |  |  | I max. 1 mA |
| P184 | T301 2 x 5 kOhm   |  |  | I max. 1 mA |
| P185 | T301 2 x 10 kOhm  |  |  | I max. 1 mA |

More potentiometers on request!

Hall-Potentiometer E14811 0,5...2,5...4,5 V / 4,5...2,5...0,5 V

D8 S5 Q / Q -2 Z P +3 R P -B A05 P184 +A050 P184 -E9012 -X

#### Cover housing

- B Cover housing

#### Schnittstelle

| E901 |  |  |        |
|------|--|--|--------|
| 1    | Potentiometer output for proportional valve PVG32 0,25...0,5...0,75 Us |  | 1 axis |
| 2    |  |  | 2 axis |

#### Special model

- X Special / customer specified

# Double-Handle Controller

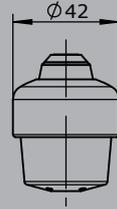
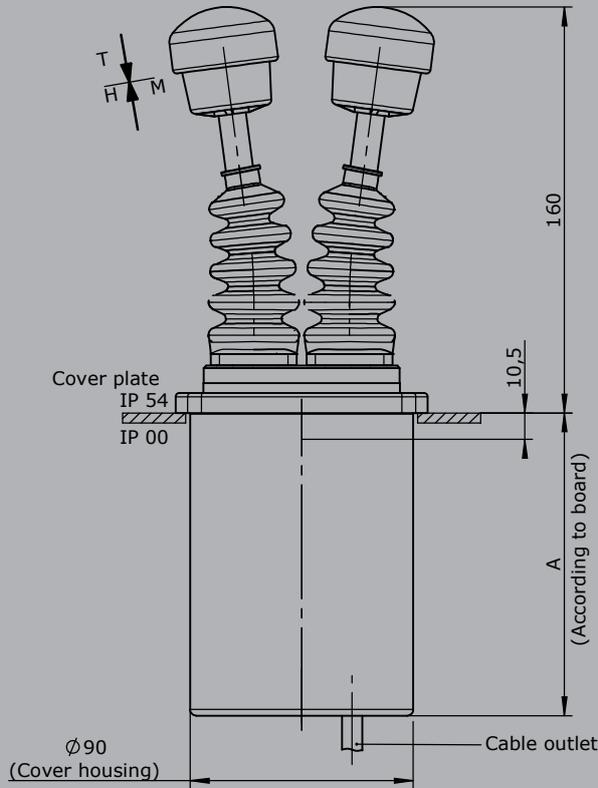
## D8



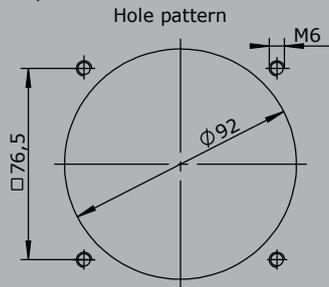
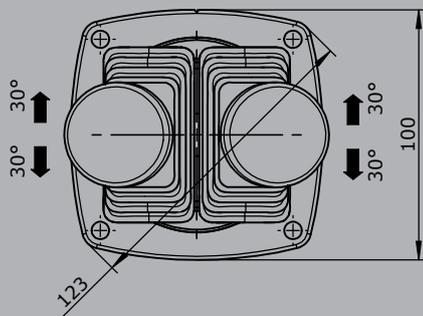
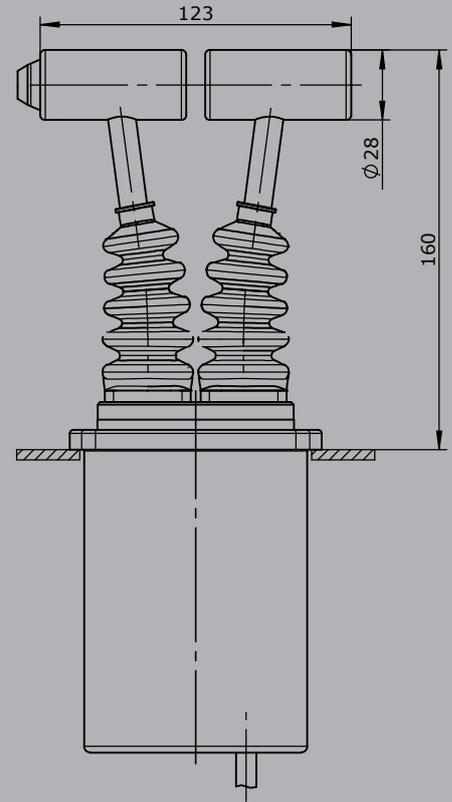
T = Dead man's button  
 H = Signal button  
 M = Latch for mechanical zero interlock

Knob solid  
 D = Push button

T - grip  
 D = Push button



To build in:  
 Direction 1-2  
 Direction 3-4



Technical details may vary based on configuration or application! Technical data subject to change without notice!