



Type V11LT-02Z+02Z-...

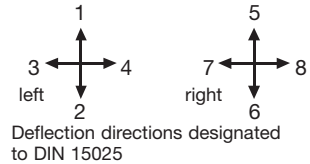
The multi-axis controller V 11 is a rugged switching device according IEC/EN 60947-5-1 for hoisting applications. The modular design enables the switching device to be used universally. The V 11 is resistant to oil, maritime climate, ozone and UV radiation.

**Contact complement 2 A 250 V AC 15 or 1 A 24 V DC 13 (standard)  
or 4 A 250 V AC 15 (special) with positive opening operation**

Mechanical life 10 million (operating cycles)  
Permissible ambient temperature Operation -40° C to +60° C  
Storage -50° C to +80° C

Climate resistance IEC 60068-2-78  
Damp heat constant IEC 60068-2-30  
Damp heat cyclic IP 54 IEC/EN 60529  
Degree of protection front  
Technical data see catalog 4/100  
Description data see catalog 4/020

Spindle block with schematic representation of the master controller installation and deflection directions.  
Version shown for left-hand side installation left (right-hand side installation is mirror image).



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| Pos. | V 11.1                                                                                                                                                                                                        | V 11                          | Type expansion |                   | Weight gramm | Type   | Price EURO |  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------|-------------------|--------------|--------|------------|--|
| 1    |                                                                                                                                                                                                               |                               |                |                   | 400          | V 11.1 |            |  |
| 2    |                                                                                                                                                                                                               |                               |                |                   |              |        |            |  |
| 3    |                                                                                                                                                                                                               |                               |                |                   |              | 500    | V 11       |  |
| 4    |                                                                                                                                                                                                               |                               |                |                   |              |        |            |  |
| 5    |                                                                                                                                                                                                               |                               |                |                   |              |        |            |  |
| 7.1  | Multi-axis controller left                                                                                                                                                                                    | (dir. 1-2, 3-4)               |                |                   |              | L      |            |  |
| 7.2  | Multi-axis controller right                                                                                                                                                                                   | (dir. 5-6, 7-8)               |                |                   |              | R      |            |  |
| 10   | Gate cross-shaped                                                                                                                                                                                             | (prohibits diagonal shifting) |                |                   | 60           | P      |            |  |
| 11   | Gate special-shaped                                                                                                                                                                                           | (e.g. H-gate)                 |                |                   | 60           | PX     |            |  |
| 20   | Control-handle with knob solid                                                                                                                                                                                |                               |                |                   |              |        |            |  |
| 21   | Control-handle with latch for mechanical zero interlock                                                                                                                                                       |                               |                |                   |              |        |            |  |
| 21.1 | by lifting                                                                                                                                                                                                    |                               |                |                   | 50           | M      |            |  |
| 21.2 |                                                                                                                                                                                                               |                               |                |                   |              |        |            |  |
| 21.4 | by pushing down                                                                                                                                                                                               |                               |                |                   | 50           | MN     |            |  |
| 21.5 | Mechanical zero interlock with command devices see catalog 1/274                                                                                                                                              |                               |                |                   |              |        |            |  |
| 22   | Control-handle with dead man's button 1 NO                                                                                                                                                                    |                               |                |                   | 100          | T      |            |  |
| 23   | Control-handle with signal button 1 NO                                                                                                                                                                        |                               |                |                   | 100          | H      |            |  |
| 24   | Control-handle with push button 1 NO                                                                                                                                                                          |                               |                |                   | 110          | D      |            |  |
| 25   | Control-handle with flat push button 1 NO                                                                                                                                                                     |                               |                |                   | 110          | DV     |            |  |
| 26   | Control-handle with palm grip B 1                                                                                                                                                                             |                               |                |                   | 40           | B 1    |            |  |
| 27   | Control-handle with palm grip B 1 with push button top 1 NO                                                                                                                                                   |                               |                |                   | 60           | B 1T   |            |  |
| 28   | Control-handle long or short                                                                                                                                                                                  |                               |                |                   |              |        |            |  |
| 28.2 |                                                                                                                                                                                                               | -20 mm                        |                |                   |              | S5     |            |  |
| 28.3 |                                                                                                                                                                                                               | +20 mm                        |                |                   |              | S8     |            |  |
| 29   | More knobs, grips and T-grips with and without signal devices see catalog 1/270ff                                                                                                                             |                               |                |                   |              |        |            |  |
| 30   | Masterswitch (contact set) switching sequence 4-0-4                                                                                                                                                           |                               |                | No. of contacts 2 | 70           | 01     |            |  |
| 31   |                                                                                                                                                                                                               |                               |                | 4                 | 130          | 02     |            |  |
| 32   | Direction 1-2 and 3-4 each 1 masterswitch                                                                                                                                                                     |                               |                | 6                 | 190          | 03     |            |  |
| 33   | Switching program according contact-arrangement MS... see catalog 4/001                                                                                                                                       |                               | A...           |                   |              |        |            |  |
| 34   | or to your contact-arrangement                                                                                                                                                                                |                               |                |                   |              |        |            |  |
| 38   | Spring return in 0-position (for each direction)                                                                                                                                                              |                               |                |                   | 25           | Z      |            |  |
| 39   | Friction brake adjustable (for each direction)                                                                                                                                                                |                               |                |                   | 20           | R      |            |  |
| 40   | Potentiometer e.t.c. each direction with mounted Conductive-plastic potentiometer T 365, with centre tap linear Life 10 <sup>7</sup> switching cycles resistance 2 x 5 kOhm, 0,5 Watt wiper current max. 1 mA |                               | ...P324        |                   | 70           | P      |            |  |
| 41   | Prepared for mounting potentiometer shaft 6 mm adjusting-angle 2 x 150°                                                                                                                                       |                               |                |                   |              | (P)    |            |  |
| 42   | Prepared for mounting potentiometer e.t.c. adjusting-angle variable.                                                                                                                                          |                               |                |                   |              | (P)    |            |  |
| 43   | more Potentiometer e.t.c. see catalog 1/240ff                                                                                                                                                                 |                               | C..., P...     |                   |              |        |            |  |
| 50   | Plastic housing I 160 x 240, masterswitch max. size 03                                                                                                                                                        |                               |                |                   | 800          | I      |            |  |
| 52   | More housing see catalog 1/350                                                                                                                                                                                |                               |                |                   |              |        |            |  |
| 60   | Indicating labels not engraved with 2 or 4 arrows                                                                                                                                                             |                               |                |                   |              |        |            |  |
| 61   | Engraving, each 10 characters                                                                                                                                                                                 |                               |                |                   |              |        |            |  |
| 70   | Command and indicating devices see catalog 1/360                                                                                                                                                              |                               |                |                   |              |        |            |  |

