

#### Features:

- ❑ two-phase controlled soft starter
- ❑ controlled by microcontroller
- ❑ optimized soft start
- ❑ current and torque reduction during acceleration
- ❑ easy mounting, for snap-mounting on
  - 35 mm standard rail
  - or directly mountable
- ❑ integrated bypass relay
- ❑ parameterization by means of three potentiometers
- ❑ no mains neutral conductor (N) required
- ❑ economically priced substitute for star-delta starters
- ❑ control side screw terminals
- ❑ compact design
  - 45 x 124 x 131mm (6-12A)
  - 45 x 154 x 131mm (22-32A)
- ❑ degree of protection IP20



Soft Starters  
VS II plus 400-6...32

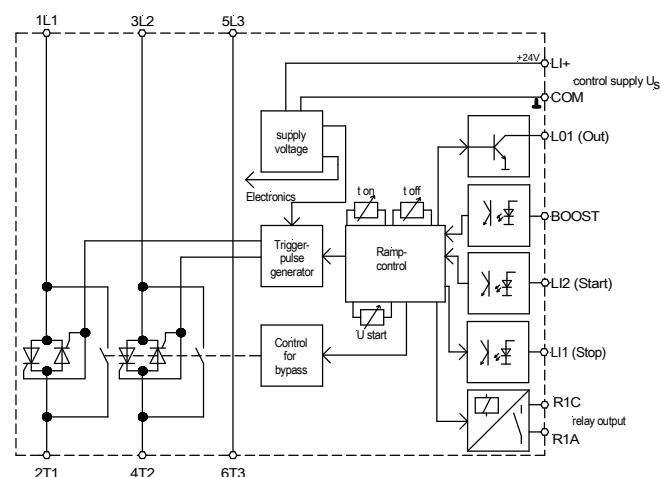


#### Functions:

- ❑ soft acceleration and deceleration
- ❑ potential-free control input for soft acceleration and deceleration
- ❑ 3 separately adjustable parameters  
accel. time, start voltage, decel. time
- ❑ boost-start selectable
- ❑ potential-free relay output (closed, when motor is running)

#### Typical Applications:

door and gate drives  
pumps, ventilators, fans  
conveying systems, packaging machines  
transport systems, assembly lines, machine applications



| Technical specifications                                                     | VS II plus 400-6                    | VS II plus 400-9 | VS II plus 400-12 | VS II plus 400-22 | VS II plus 400-32 |
|------------------------------------------------------------------------------|-------------------------------------|------------------|-------------------|-------------------|-------------------|
| device rated current                                                         | 6A                                  | 9A               | 12A               | 22A               | 32A               |
| motor rated power at 400V mains voltage                                      | 3kW                                 | 4,5kW            | 5,5kW             | 11kW              | 15kW              |
| mains / motor voltage                                                        | 3x 380...415VAC -15% / +10% 50/60Hz |                  |                   |                   |                   |
| control voltage                                                              | 24VDC ±10% (max. 28VDC) / 21,6W     |                  |                   |                   |                   |
| order number                                                                 | 26300.40006                         | 26300.40009      | 26300.40012       | 26300.40022       | 26300.40032       |
| max. power loss:                                                             |                                     |                  |                   |                   |                   |
| - on standby                                                                 | <3W                                 | <3W              | <3W               | <3W               | <3W               |
| - in ramp-up                                                                 | 62W                                 | 92W              | 122W              | 223W              | 323W              |
| - in bypass                                                                  | 1,5W                                | 1,5W             | 1,5W              | 2,5W              | 2,5W              |
| minimum motor current                                                        | 20% of the device rated current     |                  |                   |                   |                   |
| start-up time                                                                | 1 ... 10s                           |                  |                   |                   |                   |
| starting voltage                                                             | 30 ... 80%                          |                  |                   |                   |                   |
| run-out time                                                                 | 1 ... 10s                           |                  |                   |                   |                   |
| max. switching frequency at 3xI <sub>e</sub> , 5s t <sub>an</sub> and ED=70% | 20                                  |                  |                   |                   | 10                |

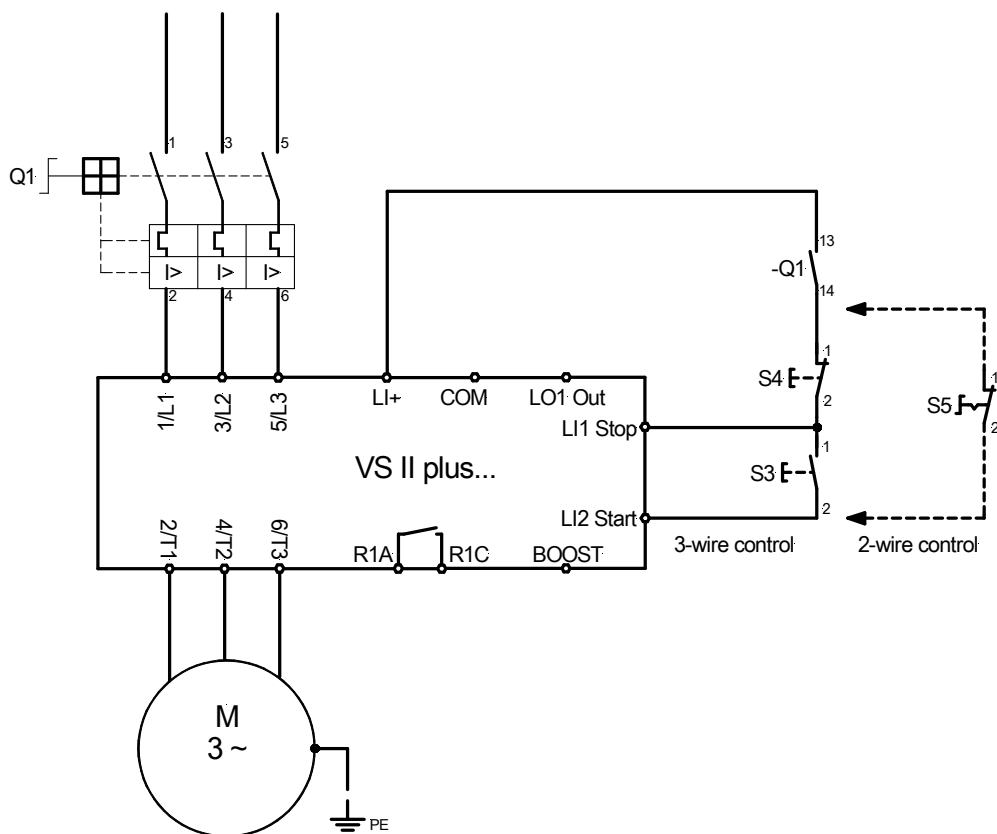
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Soft Starters VersiStart II plus 400-6...32

|                                                           |                                                                                      |                   |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------|
| cross-sectional area                                      | AWG 20...14                                                                          |                   |
| control terminals                                         | 0,5 - 1,5mm <sup>2</sup> (stripping length 10mm)                                     |                   |
| cross-sectional area                                      | AWG 16...10                                                                          |                   |
| power terminals                                           | 1...6mm <sup>2</sup>                                                                 |                   |
| tightening torque                                         | power terminals 1,9 ... 2,5Nm<br>control terminals 0,5 Nm                            |                   |
| I <sup>2t</sup> – power semiconductor in A <sup>2</sup> s | 390                                                                                  | 9100              |
| switching rating of relay output                          | 2A / 250VAC / 30VDC                                                                  |                   |
| overvoltage category / pollution degree                   | Power contacts: 3 / Auxiliary contacts (Output Relays): 2<br>2                       |                   |
| surge strength                                            | Power contacts 4kV / Auxiliary contacts (Output Relays): 2,5kV                       |                   |
| insulation voltage                                        | 480VAC                                                                               |                   |
| Category of use                                           | AC53b: 6-3: 117                                                                      |                   |
| protection class                                          | IP20                                                                                 |                   |
| ambient / storage temperature                             | -10°C ... 50°C (Derating: higher 40°C - 2% per °C up to max. 50°C)<br>-25°C ... 70°C |                   |
| relative humidity                                         | 5...95% without condensation or dripping water (corresponds to EN/IEC 60068-2-3)     |                   |
| weight in kG                                              | 0,3kG                                                                                | 0,5kG             |
| Dimensions W x H x D                                      | 45 x 124 x 131 mm                                                                    | 45 x 154 x 131 mm |

**Note:**  
Please pay attention and consider for the operation of IE3 motors while dimensioning of softstarters the resulting higher starting and braking currents.  
For the use of IE3 motors we highly recommend to dimension and design the needed softstarters one size higher.

**Connection Diagram:** 380...415VAC  
50/60Hz



Subject to change without notice.