

Features:

- ❑ two-phase controlled soft starter
- ❑ controlled by microcontroller
- ❑ optimized soft start
- ❑ heatsink temperature detection
- ❑ connection in the motor delta winding (cost saving via smaller rating)
- ❑ current and torque reduction during acceleration
- ❑ easy mounting, also for retrofitting into existing plants
- ❑ integrated bypass relay
- ❑ parameterization by means of four potentiometers
- ❑ no additional control voltage required
- ❑ no mains neutral conductor (N) required
- ❑ economically priced substitute for star-delta starters
- ❑ control outputs with spring-loaded terminals
- ❑ compact design, 103mm width
- ❑ degree of protection IP20



Soft Starters
AC-VS II ...-50...75
CE

Function:

- ❑ soft acceleration and deceleration
- ❑ potential-free control input for soft acceleration and deceleration
- ❑ 4 separately adjustable parameters
accel. time, start voltage, decel. time, max. start current
- ❑ boost-start selectable
- ❑ Motor PTC
- ❑ current controlled start-up with external transformer (transformer is included in delivery)
- ❑ potential-free control output for operating state – unit bypassed – and failure

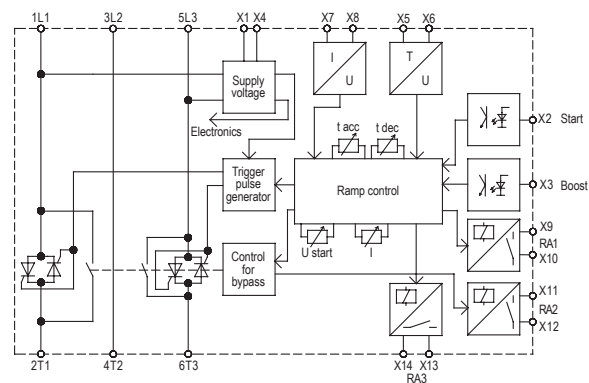
Typical Applications:

door and gate drives
pumps, ventilators, fans
conveying systems

packaging machines
transport systems, assembly lines
machine applications

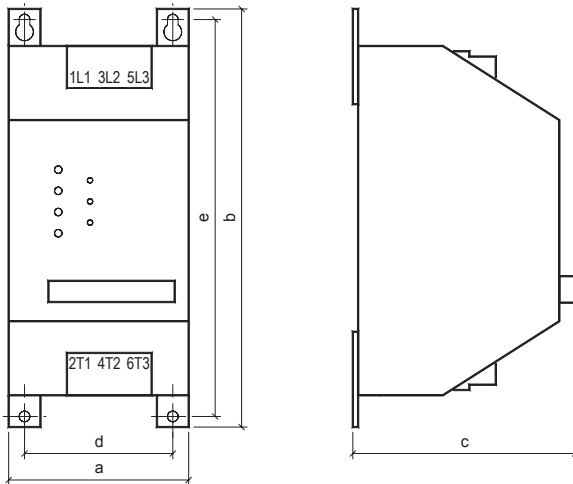
Options: (upon request)

- ❑ special voltages 230V and 480V
- ❑ wide voltage range 200-400V or 400-600V with external control supply voltage U_s 24VDC (option B)



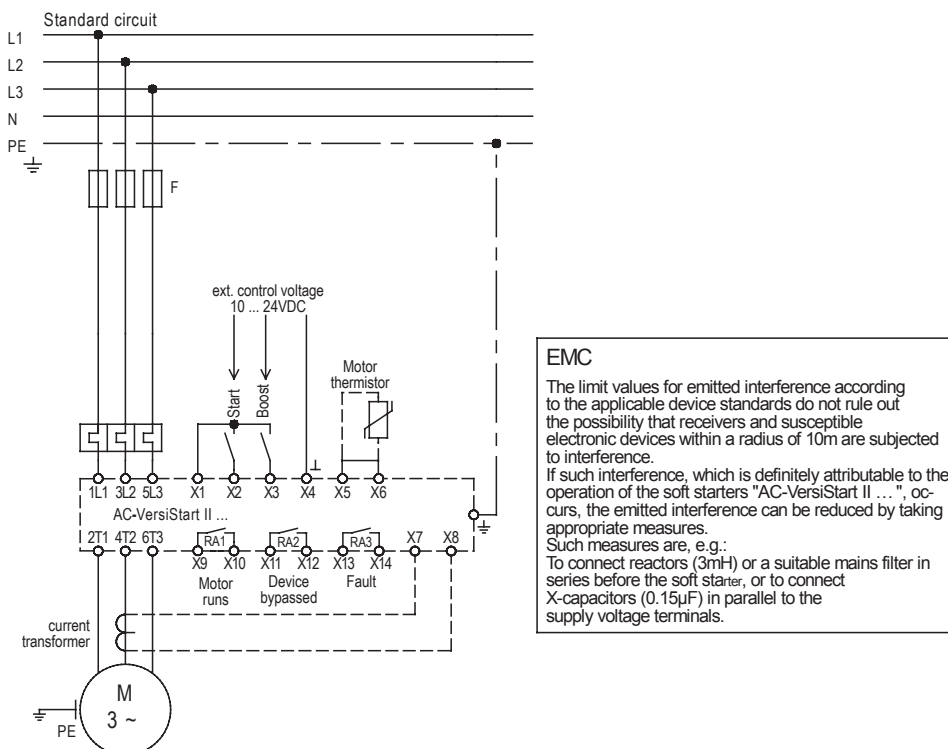
Technical Data (standard)	AC-VS II 400-50	AC-VS II 400-65	AC-VS II 400-75
Mains / Motor voltage according to DIN EN 50160 (IEC 38)	400V ±10% 50/60Hz		
Rated device current	50A	65A	75A
Motor rating at 400V mains voltage	25kW	30kW	37kW
max. Power dissipation - in operation - in standby	30W 10W		
min. motor current	20% of the device rated current		
Acceleration time	0,5 ... 10s		
Start voltage	40 ... 80%		
Deceleration time	0,5 ... 10s		
max. Start current	200% - 500% of the device rated current		
Restart time	200ms		
max. Switching frequency at 3x I _a and 10s t _{an}	35/h	25/h	30/h
I ² t - Power semiconductor	6600A ² s	11200A ² s	25300A ² s
Cross-sectional area: Control terminals Power terminals	0,2 - 2,5mm ² /24 - 12 AWG solid 1 - 35mm ² , 18 - 2 AWG / stranded 1 - 25mm ² , 18 - 3 AWG		
Tightening torque (power terminals)	25mm ² = 2,5 Nm 25mm ² = 22 lbs in	35mm ² = 4,5 Nm 35mm ² = 40 lbs in	
Input resistance Control inputs	10kΩ		
Switching rating of relay output RA1/RA2/RA3	3A/250VAC; 3A/30VDC		
Overvoltage category / Pollution degree	III (TT / TN systems) / 2		
Installation class	3		
Surge strength	4kV		
Ambient / Storage temperature	0°C ... 45°C up to an altitude of 1000m / -25°C ... 70°C		
Weight / kg	1,5	1,5	2,2
Special voltages (optional)	230V / 480V / wide voltage range 200-400V or 400-600V with external control supply voltage U_s 24VDC±10%/150mA		
Order number	25700.40050	25700.40065	25700.40075

Please observe supplementary sheet with dimensioning rules.

Dimensions:

Mounting dimensions	a	b	c	d	e
AC-VS II ...- 50...65	103	230	125	86	220
AC-VS II ...- 75	103	230	140	80	220

All dimensions indicated in mm.

Connenction Diagramm:

Subject to change without notice.