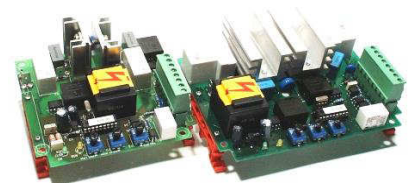


Features:

- ❑ two-phase controlled soft starter
- ❑ controlled by microcontroller
- ❑ easy mounting, also for retrofitting into existing plants
- ❑ integrated bypass relay
- ❑ no additional control voltage required
- ❑ no mains neutral conductor (N) required
- ❑ parameterization by means of three potentiometers
- ❑ economically priced substitute for star-delta starters
- ❑ current reduction during acceleration
- ❑ circuit-board version for mounting onto DIN rail
- ❑ plug-in control terminals
- ❑ degree of protection IP00



Soft Starters
VS II LDS [3 – 15kW]
CE

Function:

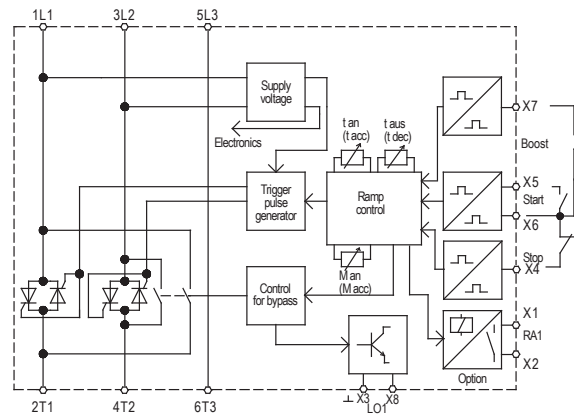
- ❑ soft acceleration and deceleration
- ❑ potential-free control input for soft acceleration and deceleration
- ❑ 3 separately adjustable parameters starting torque, accel. time, decel. time
- ❑ two wire or three wire control via contact or voltage 10-42VDC
- ❑ boost-start selectable

Typical Applications:

electric pumps, vacuum pumps
ventilators and fans, travelling cranes
extraction systems, stirrers, centrifuges
saws, conveyors, woodworking machines
grinding machines
others

Options: (upon request)

- ❑ special voltages 230V and 480V



Typical designation	VS II 3 LDS	VS II 5,5 LDS	VS II 7,5 LDS	VS II 11 LDS	VS II 15 LDS
rated device current	6,5A	12A	15A	25A	32A
motor rating at 400V mains voltage	3kW	5,5kW	7,5kW	11kW	15kW
mains / motor voltage according to DIN EN 50160 (IEC 38)	400V ± 10% 50/60Hz				
order number	25723.40003	25723.40005	25723.40007	25723.40011	25723.40015

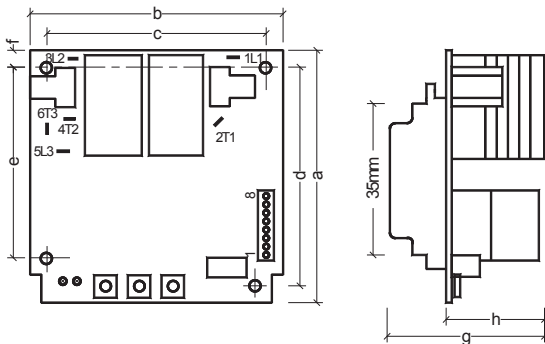
Please observe supplementary sheet with dimensioning rules!

Technical data	VS II 3 LDS	VS II 5,5 LDS	VS II 7,5 LDS	VS II 11 LDS	VS II 15 LDS
mains / motor voltage according to DIN EN 50160 (IEC 38)	400V ± 10% 50/60Hz				
rated device current	6,5A	12A	15A	25A	32A
motor rating at 400V mains voltage	3kW	5,5kW	7,5kW	11kW	15kW
min. motor current	20% of the device rated current				
starting torque	0 ... 80%				
acceleration time	0,5 ... 10s				
deceleration time	0,5 ... 10s				
restart time	200ms				
max. switching frequency at 3xI _e and 5s t _{on}	120/h	65/h	100/h	65/h	35/h
cross-sectional area FASTON 6,3	1,5mm ²		2,5mm ²		strand 2,5mm ²
I ² t – power semiconductor in A ² s	265	610	4900	4900	6050
techn. parameter of relay output RA1	3A/250VAC; 3A/30VDC				
techn. parameter of open-collector LO1	24VDC / 200mA				
ambient / storage temperature	0°C ... 40°C / -25°C ... 75°C				
weight / kg	0,27		0,4		
special voltages (optional)	230V / 480V				

Note:

Please pay attention and consider for the operation of IE3 motors while dimensioning of softstarters and dc brakes the resulting higher starting and braking currents.

For the use of IE3 motors we highly recommend to dimension and design the needed softstarters and braking devices one size higher.

Dimensions:

Mounting dimensions	a	b	c	d	e	f	g	h
VS II 3 ... 5,5LDS	102,5	108,5	98,5	92,5	82,5	5,0	55,0	40,0
VS II 7,5 ... 15LDS	102,5	139,0	129,0	92,5	82,5	5,0	55,0	40,0

All dimensions indicated in mm

Connection Diagrams: