PETER electronic

Soft Starters VersiStart II plus ...-38...105 1.09

Characteristics:

- 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 (38-65A-Devices)
  - 35 mm und 75mm standard rails (80-105A- Devices)
  - 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
- Push-In Controlterminals
- heat sink temperature monitoring
- compact design, 55mm at up to 65A and 81mm at up to 105A
- degree of protection IP20

Soft Starters
VS II plus ...-38...105

CE (c UL us LISTED in preparation)

Functions:

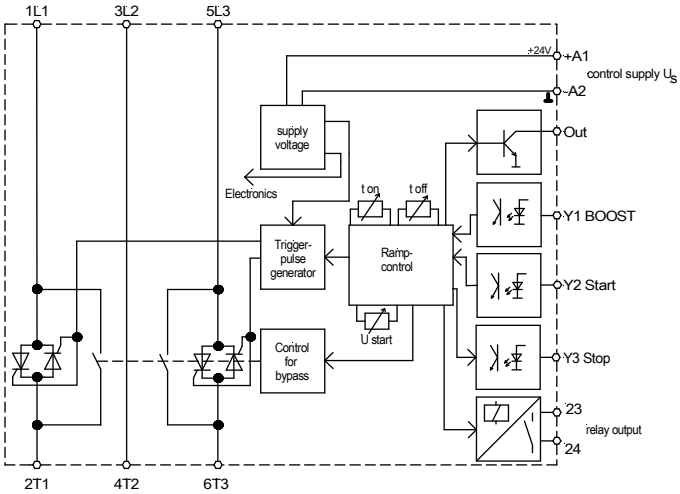
- soft acceleration and deceleration
- potential-free control input for soft acceleration and deceleration
- 3 separately adjustable parameters accel. time, start voltage, decel. time
- boost-start selectable
- potential-free relay output (closed, when motor is running)

Options: (upon request)

- External fan

Typical Applications:

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

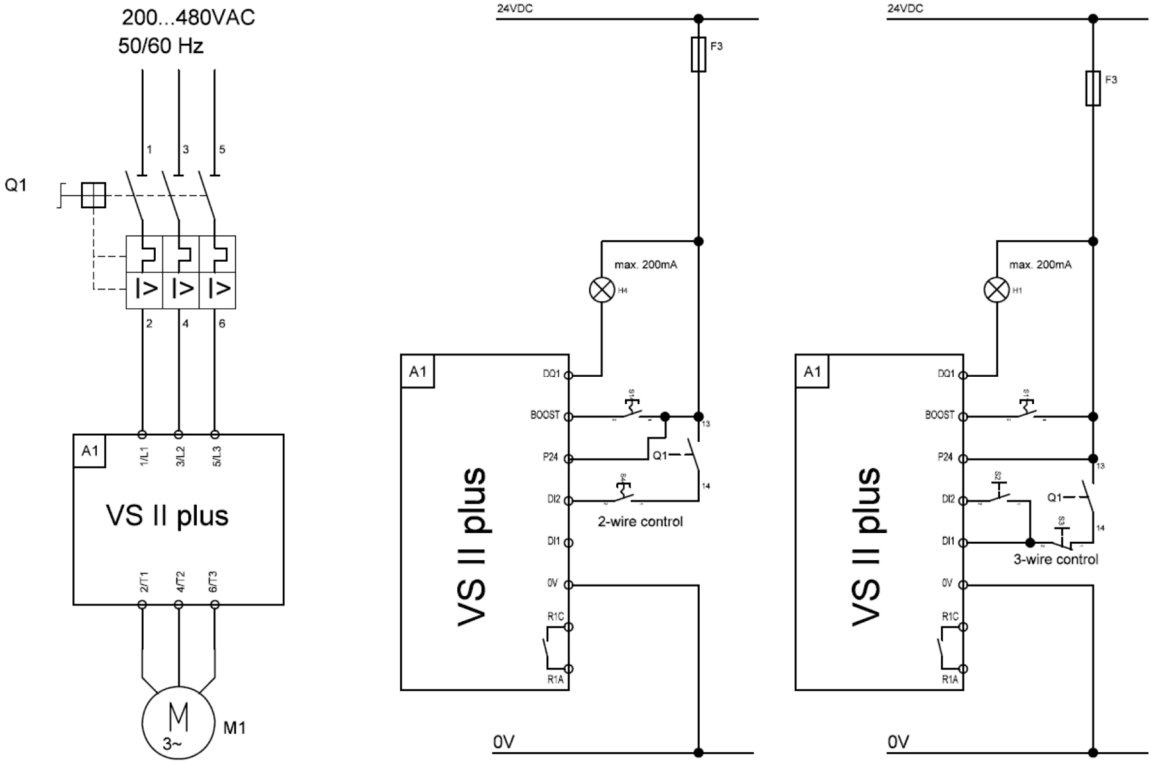


Technical specifications	VS II plus 480-38 B, 24VDC	VS II plus 480-45 B, 24VDC	VS II plus 480-65 B, 24VDC	VS II plus 480-80 B, 24VDC	VS II plus 480-105 B, 24VDC
device rated current	38A	45A	65A	80A	105A
motor rated power at 400V mains voltage	18,5kW	22kW	30kW	45kW	55kW
mains / motor voltage	3x 200...480VAC -15% / +10% 50/60Hz				
control voltage	24VDC ±10% (max. 28VDC) / 21,6W				
order number	26300.48038	26300.48045	26300.48065	26300.48080	26300.48105
max. power loss:					
- on standby	<3W	<3W	<3W	<3W	<3W
- in ramp-up	220W	264W	397W	512W	703W
- in bypass	7W	9W	16W	16W	27W
minimum motor current	20% of the device rated current				
start-up time	0,5 ... 20s				
starting voltage	30 ... 90%				
run-out time	0 ... 20s				

Restart time	200ms				
max. switching frequency at 3xIe, 5s t_{an} and ED=70%	50	35	13	25	10
cross-sectional area control terminals	AWG 24...12 0,2 - 2,5mm² (stripping length 10mm)				
cross-sectional area power terminals	AWG 16...2 1...35mm² (stripping length 16mm)			AWG 14...2/0 2...70mm² (stripping length 20mm)	
I^2t – power semiconductor in A^2s	20800			126300	
tightening torque	8 Nm / 70lb.in			9 Nm / 80lb.in	
switching rating of relay output	1A / 250VAC / 30VDC				
overvoltage category / pollution degree	Power contacts: 3 / Auxiliary Contacts (Output Relays): 2 2				
surge strength	Power contacts 4kV / Auxiliary Contacts (Output Relays): 2,5kV				
insulation voltage	480VAC				
Category of use	AC53a: 3-5: 70-50	AC53a: 3-5: 70-35	AC53a: 3-5: 70-13	AC53a: 3-5: 70-25	AC53a: 3-5: 70-10
protection class	IP20				
ambient / storage temperature	-10°C ... 60°C (-10°C ... 40°C without Derating) -40°C ... 70°C				
weight in kG	1,3kG			2,3kG	
Dimensions L x W x H	55 x 179 x 165 mm			81 x 222 x 180 mm	

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.

Connection Diagram:



Subject to change without notice.