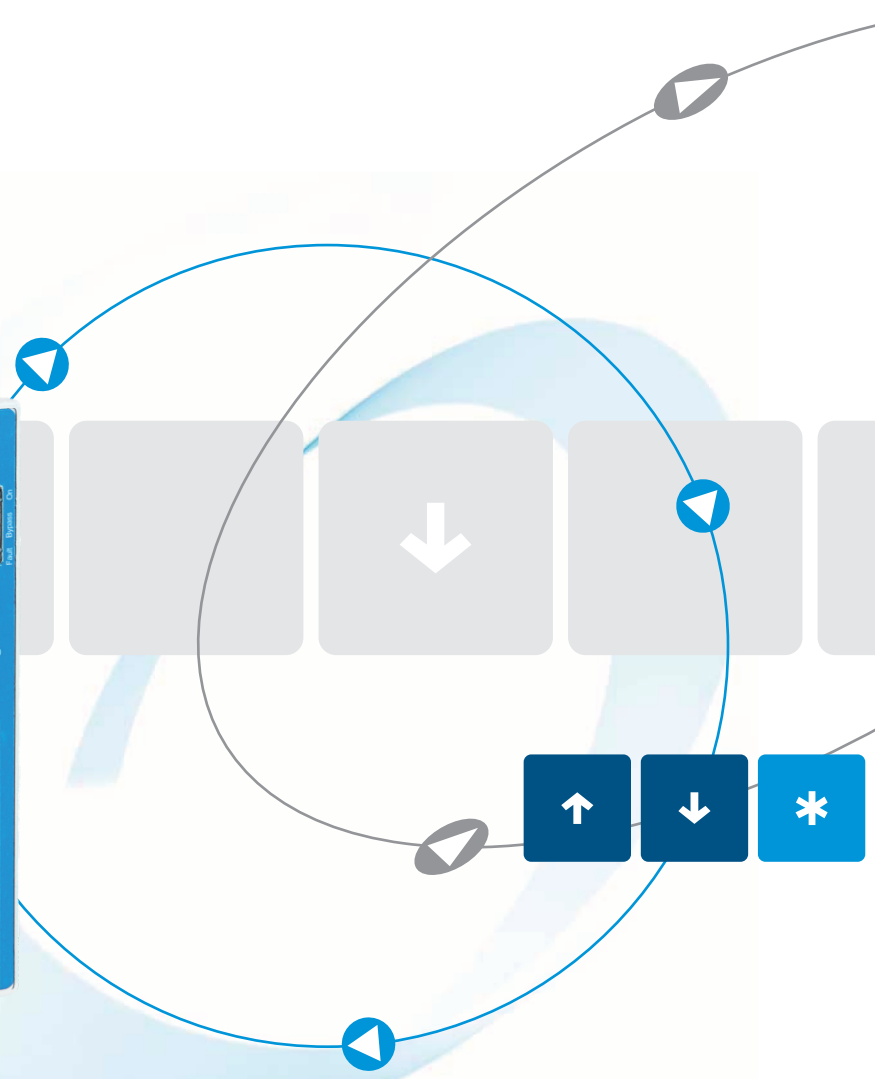


Product Group
Softstarters



Product Group Softstarters

PETER electronic sets your machines intelligently in motion, controls them reliably, and brings them to a standstill in a controlled way. Our comprehensive range of products includes braking devices, frequency inverters, thyristor controllers and soft starters. PETER electronic's soft start systems enable low-wear and gentle starting of your machines and plants by preventing unnecessary, jerky motions and high mechanical stress as well as current peaks otherwise occurring during the start-up of motors. Our soft start systems offer you convincing advantages:

Reduction of your routine maintenance costs

Extended lifetime of your equipment

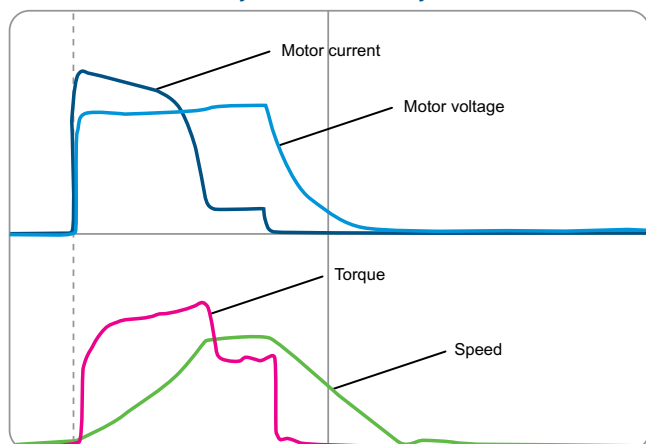
Competent technical support

Development of individual solutions

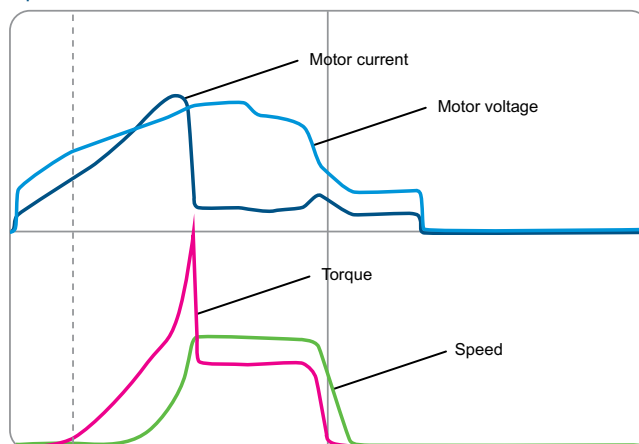
Quality and service – “made in Germany“

Advantages of soft start as compared to direct start

Ac- and deceleration – Asynchr. motor directly connected to mains



Optimized motor start with soft starter





Performance Line Two-phase Softstarters

Softstarters VersiStart VS p II ... C1/C2

Features:

- two-phase controlled digital soft starter (11-800kW)
- integrated bypass
- current and torque reduction during acceleration
- USB port
- comprehensive and customizable motor operating performance
- display graphical LCD-real time graphs of motor operating performance
- degree of protection IP20 up to 135A
- motor PTC connection

Functions:

remote control inputs (2x fixed, 2x programmable), relay outputs (3x programmable), 24VDC output, analog output, divers soft start/stop control types, units with 690V upon request



Three-phase Softstarters

Softstarters VersiStart VS p III ... C1/C2

Features:

- three-phase controlled digital soft starter (11-800kW)
- integrated bypass
- current and torque reduction during acceleration
- USB port
- comprehensive and customizable motor operating performance
- display graphical LCD-real time graphs of motor operating performance
- inside delta (6-wire) connection
- degree of protection IP20 up to 135A
- motor PTC connection

Functions:

emergency run, 2 motor sets: forward or reverse jog direction, remote control inputs (3x fixed, 2x programmable), relay outputs (3x programmable), 24VDC output, analog output, divers soft start/stop control types, units with 690V upon request

Economy Line Single-phase Softstarters



Softstarters SAS 3 ... 11

Features:

- for pole-changing motors
- dual-voltage, for 400V and 230V networks
- special voltages up to 640V
- function-related
 - peak current reduction
- integrated bypass relay
- also for single-phase applications

Functions:

soft start, 2 separately adjustable parameters (starting torque, starting time), control contact for pole-changing

Two-phase Softstarters



Softstarters VersiStart II 3,5 ... 16

Features:

- two-phase controlled soft starter
- controlled by microcontroller
- current and torque reduction during acceleration
- optimized soft start
- integrated bypass relay
- no additional control voltage required
- economically priced substitute for star-delta starters
- compact design, 45mm

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 for operating state, unit bypassed – and failure (optional)

Economy Line Two-phase Softstarters



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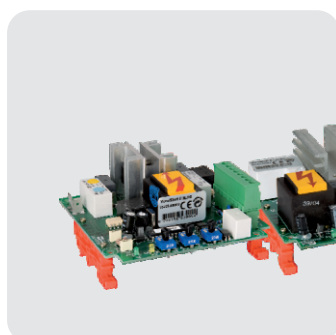
Softstarters VersiStart II 17 ... 45A

Features:

- two-phase controlled soft starter
- controlled by microcontroller
- optimized soft start
- connection in the motor delta winding (cost saving via smaller rating)
- current and torque reduction during acceleration
- easy mounting, for snap-mounting on 35 mm standard rail
- integrated bypass relay
- parameterization by means of three potentiometers
- no additional control voltage required
- no mains neutral conductor (N) required
- economically priced substitute for star-delta starters
- plug-in power terminals
- control outputs with spring-loaded terminals
- heat sink temperature monitoring
- compact design, 45mm up to 32A and 52,5mm at 45A
- degree of protection IP20

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 for operating state, unit bypassed – and failure



CE

Softstarters VersiStart II ... LDS

Features:

- controlled by microcontroller
- circuit-board version for mounting onto DIN rail
- plug-in control terminals
- economically priced substitute for star-delta starters
- integrated bypass relay

Funktionen:

soft acceleration and deceleration, potential-free control input, 3 separately adjustable parameters, two-wire or three-wire control via contact or voltage, boost start

Economy Line Three-phase Softstarters



CE

Softstarters VersiStart III 9 ... 45 LB

Features:

- three-phase controlled soft starter
- controlled by microcontroller
- optimized soft start and current control
- current and torque reduction during acceleration
- integrated bypass relay
- parameterization by means of a potentiometer
- economically priced substitute for star-delta starters
- compact design, 45mm up to 45A
- motor protection
- thermal device protection

▣ Functions:

potential-free control input for soft acceleration and deceleration,
potential-free relay output for operating state failure



CE

Softstarters VersiStart III 9 ... 45

Features:

- three-phase controlled soft starter
- controlled by microcontroller
- optimized soft start and current control
- connection in the motor delta winding (cost saving via smaller rating)
- current and torque reduction during acceleration
- integrated bypass relay
- parameterization by means of potentiometers
- economically priced substitute for star-delta starters
- compact design, 45mm up to 32A and 52,5mm at 45A
- motor protection
- thermal device protection

▣ Funktionen:

soft acceleration and deceleration, potential-free control input for soft acceleration and deceleration, separately adjustable parameters: accel. time, start voltage, decel. time, current limiting, rated device current and tripping class
boost-start selectable, potential-free relay output for operating state, transistor output – unit bypassed

Overview Softstarters



Range	single-ph.	two-phase			three-phase		
Type designation	SAS	VS II	VS II	VS II LDS	VS III LB	VS III	VS p II / III
Rated device current	6,5-25A	3,5-16A	17-45A	6,5-32A	9-45A	9-45A	24-229A 250-580A

Applications							
Saws							
Milling machines							
Planers							
Cutting machines							
Dryers							
Conveyors							
Passenger lifts							
Belt drives							
Chain drives							
Traveling/rotary mechanisms							
Mills							
Presses							
Crushers							
Door and gate drives							
Vibrators							
Transformer soft start							
Electric pumps							
Heat pumps							
Vacuum pumps							
Ventilators and fans							
Cranes							
Traveling cranes							
Exhaust systems							
Compressors							
Power agitators							
Centrifuges							
Pressure cleaners							
Vibration screening machines							
Vibrating conveyors							
Offset presses							

Suitable to a limited extent



Very suitable



Our range of products:

Softstarters

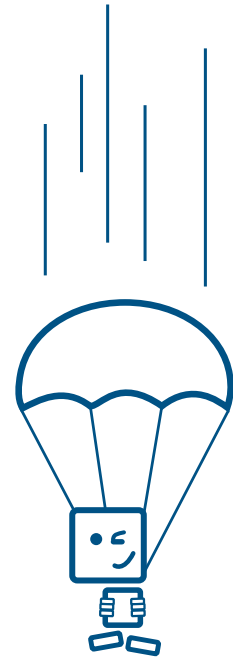
Braking Devices

Motor Start/Brake Combinations

Frequency Inverters

DC-Controllers

Safety Technique



01/2018



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