

Product Group
Softstarters



SUPPORT
included



Quality is our Drive.

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

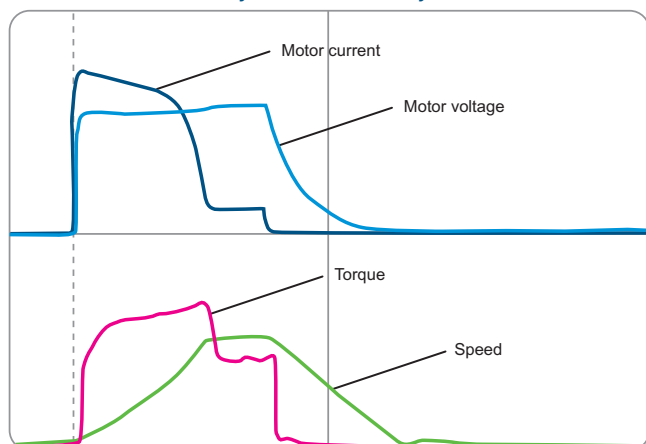
Competent technical support

Development of individual solutions

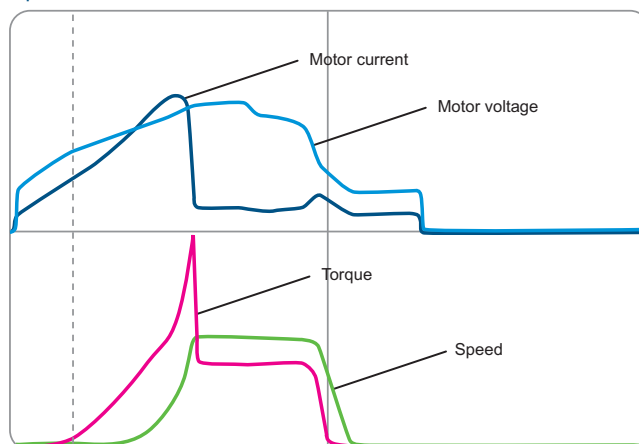
Quality and service – “made in Germany“

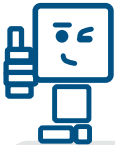
Advantages of soft start as compared to direct start

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



Optimized motor start with soft starter





ALL in
ONE

Performance Line Two-phase Softstarters

Softstarters VersiStart VS i II ... C1/C2

Features:

- two-phase controlled soft starter
- controlled by microcontroller
- optimized soft start
- current-limited soft start
- TVR soft stop (Time Voltage Ramp)
- integrated motor protection function
- DIN-rail mounting (up to 30kW)
- integrated bypass contactors
- voltage range 200-440VAC and 200-575VAC
- compact design
- symmetrical output voltage

Functions:

soft acceleration and deceleration, potential-free control inputs, current-dependent connection of bypass contactors, Adjustable parameters: rated motor current, current limit 250-475% I_n, current ramp, soft stop ramp time, motor thermal capacity, protection against too long acceleration time, phase sequence, auxiliary relay functions

Three-phase Softstarters

Softstarters VersiStart VS i III

Features:

- „Adaptive Acceleration Control“—leading-edge soft-start technology on the market
- integrated bypass relays up to 500kW as a standard
- integrated root-3 circuit (6-wire) for the complete product range
- adjustable conductor rails 360A-1600A
- extensive and customized motor protection functions
- emergency run function
- „Shorted SCR Action“ function
- d.c. brake (contactless)
- graphical LCD
- „real-time“ graph representation of motor characteristics (torque, etc.)
- menu-standard, extended & fast parameterization
- 99 events log and fault storage (of the last 8 faults)

Functions:

soft start / soft stop, various soft start control types, various soft stop methods, jog mode



NEW



Economy Line Single-phase Softstarters



Softstarters SAS 3 ... 11, SAS 11/22PUST

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 DUOSTART 1,5 ... 5,5

Features:

- for mounting onto top-hat rail
- economically priced replacement for star/delta switches
- very compact design
- integrated bypass relay

Functions:

soft start and soft stop, potential-free control input, 3 separately adjustable parameters, control with contact or voltage

Economy Line Two-phase Softstarters

Softstarters VersiStart 17 ... 75A

Features:

- controlled by microcontroller
- customized programmable
- plug-in power terminals (up to 45A)
- control outputs with spring-loaded terminals (up to 45A)
- optimized soft start
- economically priced substitute for star-delta-starters
- integrated bypass relay
- optional starting current limitation (from 50A up)

- monitoring of motor temperature via motor PTC (from 50A up)
- connection in the motor delta winding (cost saving via smaller rating)

Functions:

- soft acceleration and deceleration, potential-free control input, 3 separately adjustable parameters, boost-start



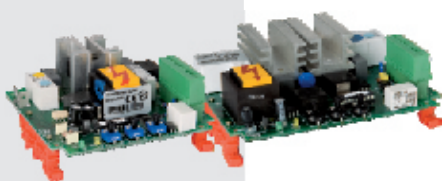
Softstarters VersiStart ... LDS

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

Functions:

- 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

Softstarters MICROSTART 1,5/3

Features:

- terminal arrangement suitable for switchgear connection
- functional peak current reduction
- integrated bypass relay
- also available in space-saving, upright design

➔ Functions:

soft start and soft stop, 4 separately adjustable parameters, soft start and soft stop via control contact possible



Softstarters MINISTART 1,5 ...

Features:

- extensive monitoring functions
- robust metal housing
- special voltages up to 600V
- functional peak current reduction
- integrated bypass relay

➔ Functions:

soft start and soft stop, 4 separately adjustable parameters, potential-free input for soft start or soft stop, potential-free output for fault indication and for operational status, temperature monitoring, phase-failure monitoring during ramp-up



Softstarters DAS-T 7,5 ... 55

Features:

- monitoring of heat sink temperature
- monitoring of motor temperature via motor thermistor
- potential-free control inputs and outputs
- special voltages up to 690V
- integrated bypass contactor

➔ Functions:

various inputs and outputs (analog/digital), status display, torque control, acceleration time monitoring, starter bypassed with external contactor



Overview Softstarters



Range	single-ph.	two-phase			three-phase			
Type designation	SAS	DUOSTART	VS II	VS II LDS	Microstart	Ministart	DAS-T	VSi II / III
Rated device current	6,5-45A	3,5-12A	17-75A	6,5-32A	4-6,5A	4-25A	17-105A	18-200A 23-1600A

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

