

Soft Starters AC-MINISTART 1,5 ... 11 1.15

Features:

- ▣ three-phase controlled soft starter
- ▣ easy mounting, also for retrofitting into existing plants
- ▣ terminal arrangement suitable for switchgear connection
- ▣ for snap-mounting on 35mm standard rail
- ▣ integrated bypass relay
- ▣ extensive monitoring functions
- ▣ robust metal housing
- ▣ no mains neutral conductor (N) required
- ▣ special voltages up to 600V
- ▣ functional peak current reduction
- ▣ degree of protection IP 20



Soft Starters
AC-MINISTART 1,5 ... 11
CE

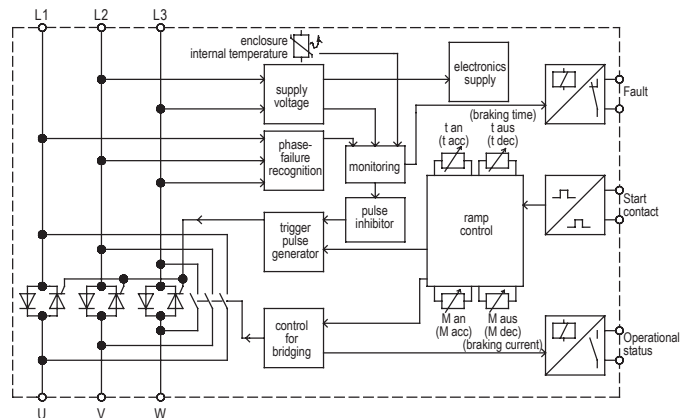
Function:

- ▣ soft acceleration and deceleration ▣
4 separately adjustable parameters
starting torque, acceleration time,
soft stop torque, deceleration time
- ▣ potential-free input for soft start or soft stop -
control voltage 10 ... 30VDC
- ▣ potential-free output for fault indication
- ▣ potential-free output for operational status *
-loadable with 250V/8A each
- ▣ temperature monitoring
- ▣ phase-failure monitoring during ramp-up

*
- with standard devices closed, when power semiconductors are bridged
- with option "S" closed from start of acceleration to end of deceleration

Typical Applications:

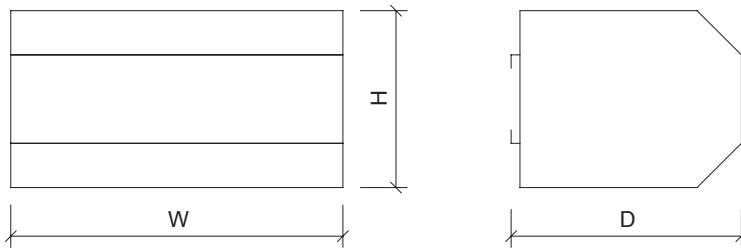
- pumps, ventilators
- cranes
- travelling and rotary operating mechanisms
- conveying machinery
- washing machines, linen dryers



Technical Data	AC-MINISTART				
	1,5	3	5,5	7,5	11
Mains / Motor voltage according to DIN EN 50160 (IEC 38)	400V ± 15% 50/60Hz				
Device nominal current	4A	6,5A	12A	16A	25A
Motor rating	1,5kW	3kW	5,5kW	7,5kW	11kW
min. motor current	10% of the device rated current				
Starting torque	0 ... 80%				
Acceleration time	1 ... 20s				
Soft stop torque	20 ... 80%				
Deceleration time	0 ... 20s				
Reset time	200ms				
max. Switching cycle at 3x I _e and 10s t _{an}	120/h		60/h		20/h
Control terminals	1,5mm ²				
Power terminals	4,0mm ²				
I ² t-Value Power semiconductor	40A ² s	450A ² s	550A ² s	9100A ² s	9100A ² s
Ambient / Storage temperature	0°C ... 45°C / -25°C ... 75°C				
Weight / kg	1,2	1,2	1,35	1,5	1,5
Order number	21200.38001	21200.38003	21200.38005	21200.38007	21200.38011

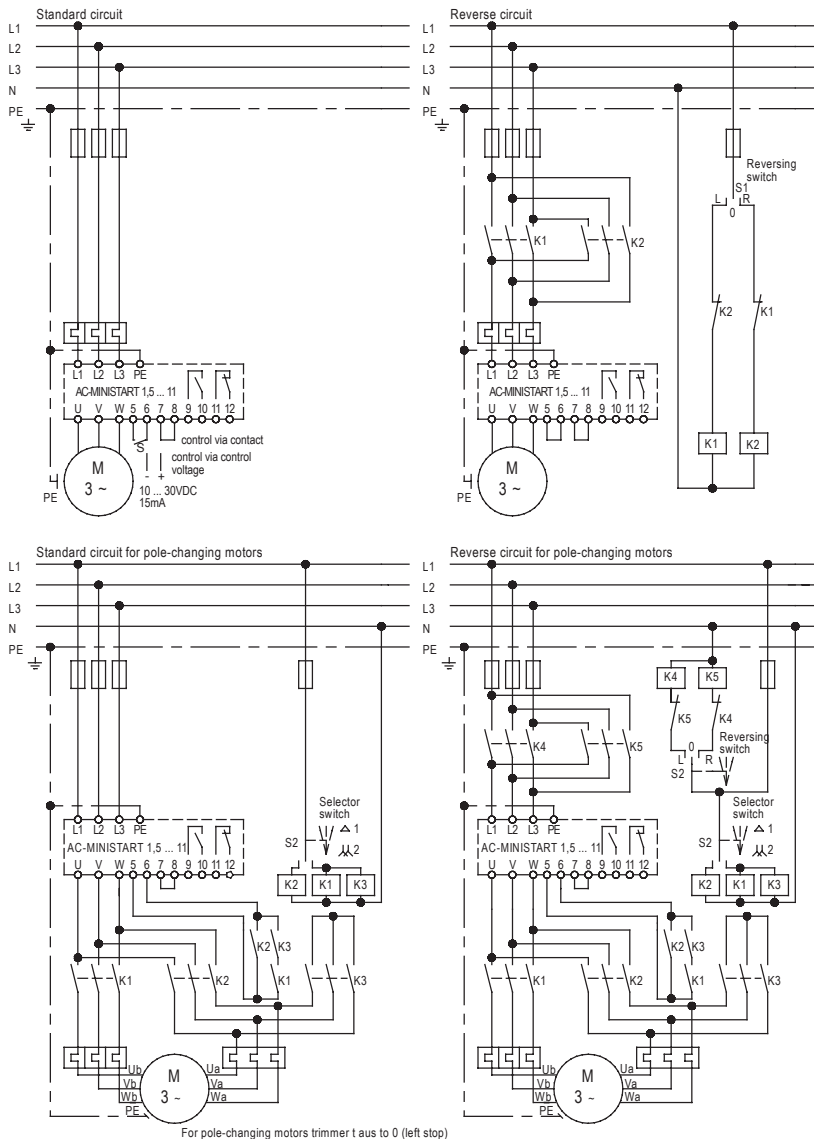
Please observe supplementary sheet with dimensioning rules.

Dimensions:



	W	H	D
Mounting dimensions	166mm	106mm	117mm

Connection Diagram:



EMC
 The limit values for emitted interference according to the applicable device standards do not rule out the possibility that receivers and susceptible electronic devices within a radius of 10m are subjected to interference.
 If such interference, that is definitely attributable to the operation of the soft starters "AC-MINISTART", occurs, the emitted interference can be reduced by taking appropriate measures.
 Such measures are, e.g.:
 to connect reactors (3mH) or a suitable mains filter in series before the soft starter, or to connect X-capacitors (0,15µF) in parallel to the supply voltage terminals.

Subject to change without notice.