

Soft Starters 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
MINISTART 1,5 ... 11

Function:

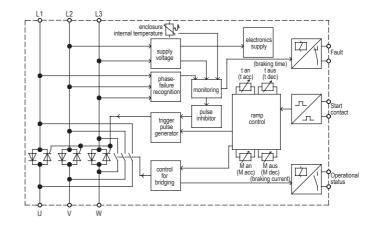
- soft acceleration and deceleration
- 4 separately adjustable parameters starting torque, acceleration time, soft stop torque, deceleration time
- potential-free input for soft start or soft stop -control voltage 10 ... 30VDC
- potential-free output for fault indication
- potential-free output for operational 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:

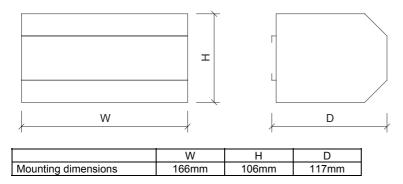
pumps, ventilators cranes travelling and rotary operating mechanisms conveying machinery washing machines, linen dryers



Technical Data	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 le and 10s t _{an}		120/h 60/h 20/h			20/h	
Control terminals Power terminals		1,5mm² 4,0mm²				
I²t-Value Power semiconductor	40A²s	450A2s	550A2s	9100A²s	9100A²s	
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:



Connection Diagram:

