

Soft Starters MICROSTART 1,5 / 3 1.13

**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
- no mains neutral conductor (N) required
- functional peak current reduction
- degree of protection IP 20



Soft Starters  
**MICROSTART 1,5 / 3**  
**CE**

**Function:**

- soft acceleration and deceleration
- 4 separately adjustable parameters starting torque, acceleration time, soft stop torque, deceleration time
- soft start and soft stop via control contact possible

**Typical Applications:**

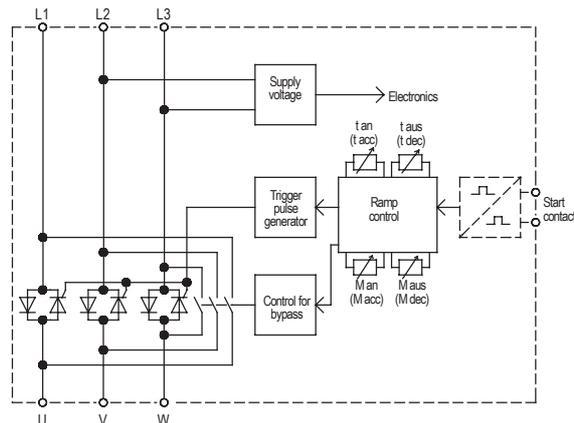
pumps, ventilators  
belt drives, driving pulleys / coil winders  
conveying machinery  
compressors

**Upon Request:**

- potential-free input  
-control voltage 10 ... 30VDC

**Option: (upon request)**

- „SST“ - pluggable

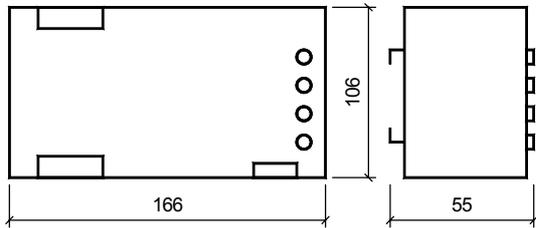


Technical Data	MICROSTART	
	1,5	3
Mains / Motor voltage according to DIN EN 50160 (IEC 38)	400V ± 15% 50/60Hz	
Device nominal current	4A	6.5A
Motor rating	1,5kW	3kW
min. motor current	10% of the device rated current	
Adjustment range of starting torque	0 ... 80%	
Adjustment range of acceleration time	1 ... 15s	
Adjustment range of soft stop torque	20 ... 80%	
Adjustment range of deceleration time	0 ... 15s	
Reset time	200ms	
max. Switching cycle at 3x I <sub>e</sub> and 10s t <sub>an</sub>	120/h	60/h
max. Cross-sectional area	2,5mm <sup>2</sup>	
I <sup>2</sup> t-Value Power semiconductor	40A <sup>2</sup> s	450A <sup>2</sup> s
Ambient / Storage temperature	0°C ... 45°C / -25°C ... 75°C	
Weight / kg	0,75	0,75
Order number	21300.38001	21300.38003
Option „SST“	21304.38001	21304.38003

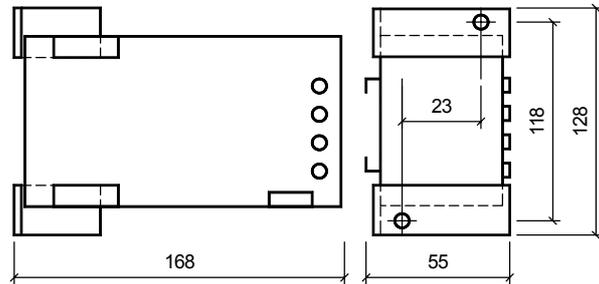
Please observe supplementary sheet with dimensioning rules.

**Dimensions:**

MICROSTART 1,5/3

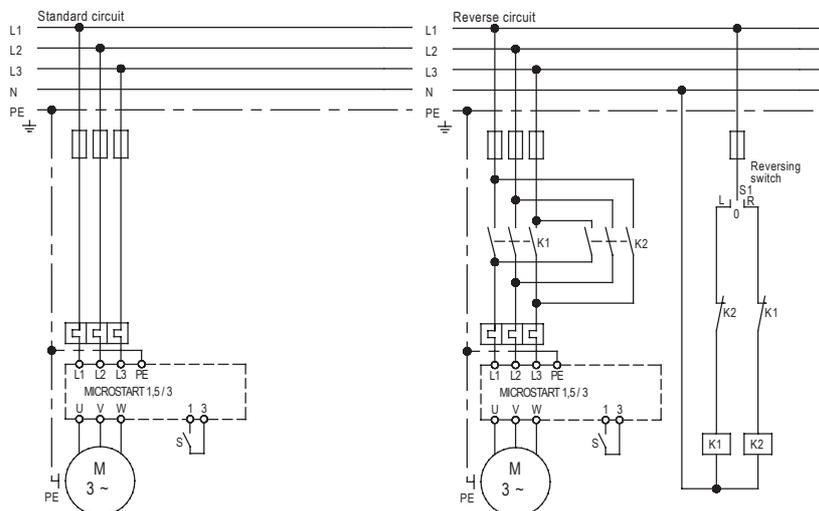


Option "SST"



All dimensions in mm!

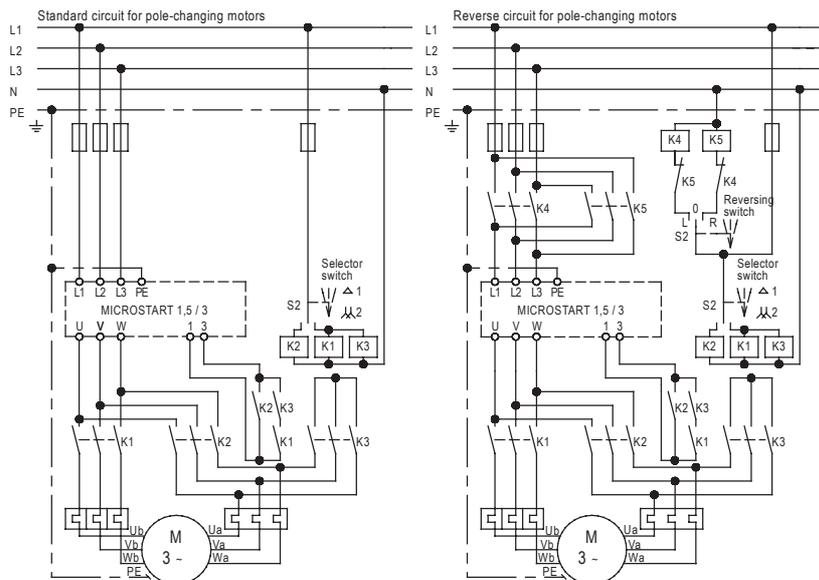
**Connection Diagram:**



S - closed = soft start; S - open = soft stop

S - closed = soft start; S - open = soft stop

**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 "MICROSTART", 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.



For pole-changing motors trimmer t aus to 0 (left stop)