## Soft Starters DUOSTART 1.5 ... 5.5

#### Features:

- two-phase controlled soft starter
- easy mounting, also for retrofitting into existing plants
- integrated bypass relay
- no mains neutral conductor (N) required
- parameterization by means of three potentiometers
- economically priced replacement for star/delta switches
- for mounting on top hat rail
- current reduction during acceleration
- very compact design, overall width from 45mm on
- degree of protection IP20



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## Soft Starters DUOSTART 1.5 ... 5,5 CE

#### **Function:**

- soft start and soft stop
- potential-free control input for soft start and soft stop
- 3 separately adjustable parameters starting torque, acceleration time, deceleration time
- control (start/stop) with contact or voltage 10-42VDC

#### **Options:**

- DUOSTART ... M
- potential-free output for operational status DUOSTART ... S
- control (start/stop) with voltage 10-42VDC external 24V supply voltage
- (wide voltage range capability)

# Typical Applications:

door and gate drives pumps, ventilators conveyors packaging machinery transformer soft start



Technical Data		DUOSTART		
		1.5	3	5.5
Mains / Motor voltage		400V ±10% 50/60Hz		
according to DIN EN 50160 (IEC 38)				
Device nominal current		3.5A	6.5A	12A
Motor rating at 400V mains voltage		1.5kW	3kW	5.5kW
min. Motor load		40% of the device power rating		
Starting torque		0 80%		
Acceleration time		0.5 12s		
Deceleration time		0.5 12s		
Reset time		200ms		
max. Switching cycle		90/h	60/h	30/h
max. Cross-sectional area	solid	2x 2.5mm <sup>2</sup>	2x 2.5mm <sup>2</sup>	2x 2.5mm <sup>2</sup>
	stranded	2x 1.5mm <sup>2</sup>	2x 1.5mm <sup>2</sup>	2x 1.5mm²
I <sup>2</sup> t-Value Power semiconductor		72A <sup>2</sup> s	265A <sup>2</sup> s	610A <sup>2</sup> s
Ambient / Storage temperature		0°C 45°C / -25°C 75°C		
Weight		0.4kg	0.4kg	0.4kg
Special voltages		230V	230V	230V
			480V	480V
Order number		21500.40001	21500.40003	21500.40005
Option "M"		21501.40001	21501.40003	21501.40005
Option "S"		21502.40001	21502.40003	21502 40005

Please observe supplementary sheet with dimensioning rules.



### Abmessungen:



#### **Connections Diagramms:**



1.04