

**Soft start and soft stop  
for three-phase induction motors up to 7.5 kW**

## User benefits

### Mechanical

- ◆ Low adjustable starting torque
- ◆ Reduced cost of drive components

### Conveyor belts

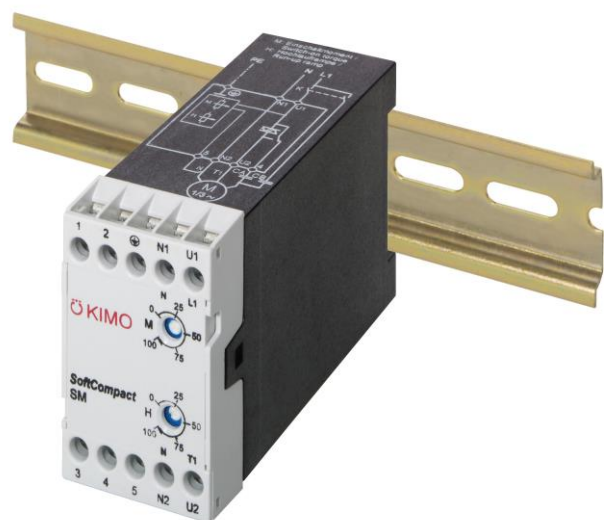
- ◆ Falling over, banging or slipping of products, parcels etc. is eliminated

### Electrical

- ◆ Reduced starting current (with SM, SM2 only)

## Applications

- ◆ Conveyor belts
- ◆ Packing equipment
- ◆ Long-travel drives for cranes
- ◆ Compressors
- ◆ Heat pumps
- ◆ Vibration transporters
- ◆ Machines with gearbox, belt or chain drives
- ◆ Special version for pole-change motors



## Features

- ◆ AM Start attenuation with bridging relay
- ◆ SM Soft start with bridging relay for single-phase capacitor motors
- ◆ SM2 Soft start with bridging relay and soft stop
- ◆ Switch-on torque and run-up voltage ramp separately adjustable
- ◆ Module housing for mounting on 35 mm DIN rails. Very compact version with a width of 45 mm.
- ◆ Terminals and potentiometers are well protected against accidental contact
- ◆ Easily retrofitted
- ◆ Can be used as a combined soft-start and injection brake using the electronic brake modules LEKTROMIK B1

## TECHNICAL DATA

<i>SoftCompact</i>		2.2SM/ S230	2.2AM/ T400	5.5AM/ T400	1.1AM/ T230	3.0AM/ T230	1.1SM2/ T400	2.2SM2/ T400	5.5SM2/ T400	7.5SM2/ T400	0.5SM2/ T230	1.1SM2/ T230	3.0SM2/ T230	4.0SM2/ T230
Rated motor power	kW	2,2	2,2	5,5	1,1	3	1,1	2,2	5,5	7,5	0,55	1,1	3	4
Minimum motor power	kW	0,25	0,25	1,1	0,12	0,55	0,18	0,55	1,1	1,1	0,12	0,37	0,55	0,75
Rated voltage	V	1/N AC 230	3AC 400	3AC 400	3AC 230	3AC 230	3AC 400	3AC 400	3AC 400	3AC 400	3AC 230	3AC 230	3AC 230	3AC 230
Rated current	A	12	5,5	12	5,5	12	3	5,5	12	16	3	5,5	12	16
Max. starting duty														
◆ side-by-side	%	12	13	8	13	8	20	10	4	-	20	10	4	-
◆ intermediate spacing 10 mm	%	15	16	10	16	10	25	12	5	2	25	12	5	2
Loss after ramp up	W	3	2	3	2	3	4	3	4	5	4	3	4	5
Fuses	A	30	20	50	20	50	16	20	50	50	16	20	50	50
Power connections	mm <sup>2</sup>	1,5-2,5	1,0-2,5	1,5-2,5	1,0-2,5	1,5-2,5	1,0-2,5	1,0-2,5	1,5-2,5	1,5-2,5	1,0-2,5	1,0-2,5	1,5-2,5	1,5-2,5
Weight	g	400	400	400	400	400	450	450	450	450	450	450	450	450
Dimensions:														
Height	mm	75	75	75	75	75	75	75	75	75	75	75	75	75
Width	mm	45	45	45	45	45	45	45	45	45	45	45	45	45
Depth	mm	120	120	120	120	120	120	120	120	120	120	120	120	120
Order No.		7202.212	7201.312	7201.315	7201.210	7201.213	7205.310	7205.312	7205.315	7205.316	7205.205	7205.210	7205.213	7205.214

- 1) To be ordered separately. We recommend 16/20/30/50 A Siemens SILIZED 5SD4-420/430/480/460. For prospective short-circuit current up to 50 kA  
 2) Size of power cables (multi-strand with end ferrules) in accordance with EN60204-1 with suitable overload protection

## RANGE OF APPLICATION

Type	Rated voltage	Max. rated motor power [kW]						
		0.55	1.1	2.2	3	4	5.5	7.5
<i>SoftCompact SM</i>	1/N AC 230 V			■				
<i>SoftCompact AM</i>	3AC 400 V			■			■	
<i>SoftCompact AM</i>	3AC 230 V		■		■			
<i>SoftCompact SM2</i>	3AC 400 V		■	■			■	■
<i>SoftCompact SM2</i>	3AC 230 V	■	■		■	■		

Optimum drive solutions from 0.25 up to 2000 kW and from 110 up to 690 V



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Technical data subject to change without notice