

**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

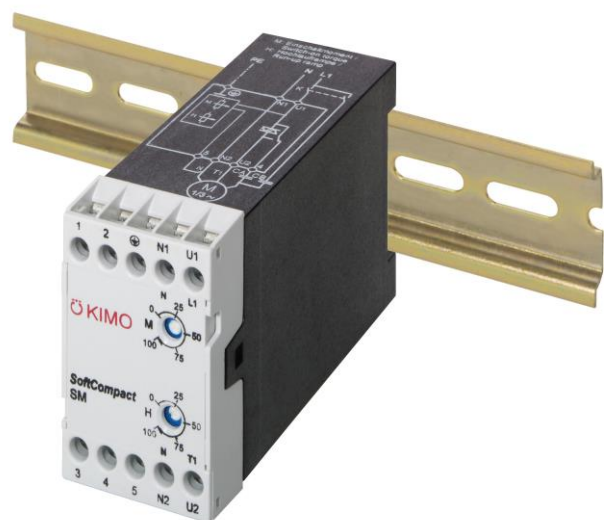
- ◆ Falling over, banging or slipping of products, parcels etc. is eliminated

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

- ◆ 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

SoftCompact			2.2SM/ S230-16	2.2AM/ T400-16	5.5AM/ T400-16	3.0AM/ T230-16	1.1SM2/ T400-16	2.2SM2/ T400-16	5.5SM2/ T400-16	7.5SM2/ T400-16	3.0SM2/ T230-16
Rated motor power	kW		2.2	2.2	5.5	3	1.1	2.2	5.5	7.5	3
Minimum motor power	kW		0.25	0.25	1.1	0.55	0.18	0.55	1.1	1.1	0.55
Rated voltage	V		1/N AC 230	3AC 400	3AC 400	3AC 230	3AC 400	3AC 400	3AC 400	3AC 400	3AC 230
Rated current	A		12	5.5	12	12	3	5.5	12	16	12
Max. starting duty											
◆ side-by-side	%		12	13	8	8	20	10	4	-	4
◆ intermediate spacing 10 mm	%		15	16	10	10	25	12	5	2	5
EN60947-4-2:											
- Utilization category			12 A: AC-53b: 2.5-15: 110	5.5 A: AC-53b: 4-15: 100	12 A: AC-53b: 4-15: 170	12 A: AC-53b: 4-15: 170	3 A: AC-53b: 4-10: 40	5.5 A: AC-53b: 4-10: 90	12 A: AC-53b: 4-10: 240	16 A: AC-53b: 4-5: 495	12 A: AC-53b: 4-10: 240
- Form designation			2	2	2	2	1	1	1	1	1
Loss after ramp up	W		3	2	3	3	4	3	4	5	4
Fuses	¹⁾ A		30	20	50	50	16	20	50	50	50
Power connections	²⁾ mm ²		1.5...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	1.5...2.5
Weight	g		400	400	400	400	450	450	450	450	450
Dimensions:	Height	mm	75	75	75	75	75	75	75	75	75
	Width	mm	45	45	45	45	45	45	45	45	45
	Depth	mm	120	120	120	120	120	120	120	120	120
Order No.			7202.212	7201.312	7201.315	7201.213	7205.310	7205.312	7205.315	7205.316	7205.213

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]				
		1.1	2.2	3	5.5	7.5
SoftCompact SM	1/N AC 230 V		■			
SoftCompact AM	3AC 400 V		■		■	
SoftCompact AM	3AC 230 V			■		
SoftCompact SM2	3AC 400 V	■	■		■	■
SoftCompact SM2	3AC 230 V			■		

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



KIMO Industrial Electronics GmbH

Am Weichselgarten 19 91058 Erlangen, Germany
Tel. +49 9131-6069-0 Fax +49 9131-6069-35
E-Mail: info@kimo.de www.kimo.de

Technical data subject to change without notice