

**BLEMO® softstarter**

# *The new SH21 is much more than just a power upgrade.*

**NEW!**  
up to 55 kW

A simple and compact soft starter that extends the power range of the SH21 (now up to 55 kW) while offering new advantages such as increased mechanical and electrical flexibility, enhanced operational efficiency, and optimized motor management.

## THE MOST COMPACT SOFT STARTER

**The SH21 from BLEMO® is a torque-controlled soft starter that impresses with its compact design and high efficiency.**

With the SH21, you can optimize your machine concepts while increasing both flexibility and efficiency. This model helps improve the competitiveness of your machines by enhancing operation through new functions and an extended power range.

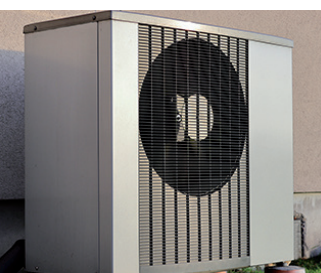
Compact, powerful, and flexible: The new SH21 from BLEMO® combines a space-saving design with innovative features, enabling increased operational efficiency in both development and production.

Develop modern machine concepts – and benefit from more power with minimal space requirements!

### Compact:

- Same width as circuit breakers: 55 or 81 mm
- Compatible with 200 mm deep enclosures
- Circuit breaker mountable on top of the SH21
- Side-by-side mounting

## APPLICATION EXAMPLES



Target industries: HVAC, Food & Beverage, Machinery, and Pumps

## YOUR BENEFITS AT A GLANCE

- Optimized machine design
- Enhanced operational efficiency
- Free preventive maintenance
- Fast and easy installation
- Extended operating cycle
- Robustness with high starting capability
- Easy to install:
  - Snap-in mounting
  - No need to retighten the terminals thanks to the EverLink network terminal

## FUNCTIONS

- Reduces mechanical stress through soft start and soft stop
- Energy efficiency with integrated bypass
- Thanks to its high starting capability, all motor functions can be used in continuous or intermittent operation
- System protection when combined with the appropriate circuit breaker, including soft start/soft stop, disconnecting terminal, insulation, short-circuit protection, and motor overload protection

## A COMPACT & HIGH-QUALITY SOLUTION

### FAST & EASY INSTALLATION

- Mounting on a DIN rail
- Rear wall mounting
- Easy attachment of the circuit breaker
- Spring terminal

### EXTENDED OPERATING CYCLE

- High starting frequency
- IP20
- Compliant with 3C3 and 3S3
- Uncomplicated retrofitting into existing drive systems: starting via switching on the mains voltage is possible

### OPTIONS

- Cooling fan to increase the number of start cycles per hour
- Mounting kit for circuit breakers



### COMPACT PRODUCTS & SOLUTIONS

- 55 or 81 mm
- Compatible with 200 mm enclosure depth
- Side-by-side mounting

### EASY PRODUCT IDENTIFICATION & SUPPORT

- Product ID
- Documentation
- Data sheet

### FREE PREVENTIVE MAINTENANCE

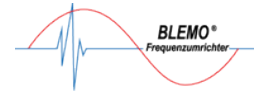
- Patented EverLink Power connections
- Spring connection terminals
- Standard configuration without an internal fan

## THE EXTENDED POWER RANGE OF THE NEW SH21

SH 21 NEU	
Rated Supply Voltage (U <sub>e</sub> )	200 to 480V
Rated Operating Current (I <sub>e</sub> )	38 to 110 A
Power Range at 400 V (P <sub>e</sub> )	18,5 to 55 kW/10 to 75 HP
Control Voltage (U <sub>s</sub> )	24 V DC
Control Type	Voltage ramp
Stop Mode	Freewheeling, voltage ramp
Boost	Yes
Bypass	Integrated



## DEVICE OVERVIEW SH21



type designation	rated operating current	rated engine power at 3 x 400 V	rated engine power at 1 x 230 V	rated engine power at 3 x 230 V	rated engine power at 3 x 460 V	dimensions w x h x d	mass
	(A)	(kW)	(kW)	(kW)	(hp)	(mm)	(kg)
SH11-1.1/42	3	1,1	0,37	-	1,5	22,5 x 100 x 100,4	0,16
SH11-3.0/42	6	3,0	0,75	-	3,0	22,5 x 100 x 100,4	0,16
SH11-4.0/42	9	4,0	1,1	-	5,0	45 x 124 x 130,7	0,28
SH11-5.5/42	12	5,5	2,2	-	-	45 x 124 x 130,7	0,28
SH21-3.0/22	6	-	0,75	1,1	-	45 x 124 x 130,7	0,42
SH21-4.0/22	9	-	1,1	1,5	-	45 x 124 x 130,7	0,42
SH21-5.5/22	12	-	2,2	3,0	-	45 x 124 x 130,7	0,42
SH21-11.0/22	22	-	4,0	5,5	-	45 x 154 x 130,7	0,56
SH21-15.0/22	32	-	5,5	7,5	-	45 x 154 x 130,7	0,56
SH21-3.0/4	6	3,0	-	-	-	45 x 124 x 130,7	0,42
SH21-4.0/4	9	4,0	-	-	-	45 x 124 x 130,7	0,42
SH21-5.5/4	12	5,5	-	-	-	45 x 124 x 130,7	0,42
SH21-11.0/4	22	11,0	-	-	-	45 x 154 x 130,7	0,56
SH21-15.0/4	32	15,0	-	-	-	45 x 154 x 130,7	0,56
SH21-18.5/4	38	18,5	-	11,0	25,0	55 x 165 x 165	1,30
SH21-22.0/4	45	22,0	-	11,0	30,0	55 x 165 x 165	1,30
SH21-30.0/4	65	30,0	-	18,5	40,0	55 x 165 x 165	1,30
SH21-37.0/4	73	37,0	-	22,0	50,0	55 x 165 x 165	1,30
SH21-45.0/4	80	45,0	-	22,0	60,0	81 x 222 x 180	2,30
SH21-55.0/4	110	55,0	-	30,0	75,0	81 x 222 x 180	2,30
SH21-3.0/46	6	-	-	-	4,0	45 x 124 x 130,7	0,42
SH21-4.0/46	9	-	-	-	5,5	45 x 124 x 130,7	0,42
SH21-5.5/46	12	-	-	-	7,5	45 x 154 x 130,7	0,42
SH21-11.0/46	22	-	-	-	15,0	45 x 154 x 130,7	0,56
SH21-15.0/46	32	-	-	-	20,0	45 x 154 x 130,7	0,56

Device types in bold: preferred type, available from stock. Subject to prior sale.

### Do you have any questions about the new SH21?

Contact us! We will be happy to help you!

The operating instructions and further information on the SH21 and all BLEMO® products can be found at

**[www.blemo.com](http://www.blemo.com)**

