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SCL33DA4035BP

Compressor Soft Starter 3-phase

PRODUCT DATA	
Main Voltage	3 x 400Vac +15 % / -15 %
Main Frequency	45Hz...65Hz
Motor Current, max	35A
LRA max	175A
Start Current limit	35 %... 45 % of LRA
Initial Start Torque	20 %... 50 %
Rated Insulation Voltage	660V
Degree of protection	IP20
Pollution degree	3
Operating Temperature	-20°C... 65°C
Storage Temperature	-20°C... 80°C
I^2t	1800A ² s
Short Circuit Protection	63A gl/gC
Motor protection Electronic	20A... 35A
Motor Protection Class	Type 10
Utilization category	AC-58b
Load profile X-Tx	6-1:300
Power Supply	230Vac +15% / -15%
Power Supply frequency	45Hz...65Hz
Current consumption	7 mA
Start/Stop Control Voltage	230Vac +15% / -15%
Start/Stop, Current	< 2 mA
Start response time	5 seconds
Stop response time	200 mS

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The Soft Starter is a 3-phase motor current controller, to be used for starting and running compressor motors. The Soft Starter has current controlled ramping up and internal by-pass relays.

There is no need for adjusting initial torque, start current or ramping up time. The Soft Starter automatically detects the compressor motor connected, to setup the ramping up profile.

The initial torque and the start current is adjusted before ramping up. During ramping up and running, the motor current is continuously monitored, to protect the motor against stall at ramping up, and current imbalance and overload when running.

The Soft Starter has integrated electronic motor protection, which can be adjusted via a rotary knob.

The functions of the Soft Starter are indicated by LEDs, which shows the different modes of the Soft Starter. A status signal relay is active when the motor is running at full speed.

If a failure situations should occur, a LED and a failure signal relay indicate the actual failure, by turning the LED and failure signal relay on and off in sequences.