Motor starters for MS402 and MS 4000 CSIR/CSCR motors

Applications

SA-SPM control boxes are used as starting units for 200-240 V motors.

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Fig. 10 Motor starter for MS 402 and MS 4000

Product numbers

	Product number	CS	CR
		[µF]	[µF]
Motor starter - CSIR - 0.37 kW	98582272	65	-
Motor starter - CSIR - 0.55 kW	98582277	98	-
Motor starter - CSIR - 0.75 kW	98582295	119	-
Motor starter - CSCR - 1.1 kW,	98582296	143	40
Motor starter - CSCR - 1.5 kW	98582381	160	50
Motor starter - CSCR - 2.2 kW	98582401	268	60

PSC motor capacitors

The MS 402 and MS 4000 single-phase, 3-wire, PSC motors must be connected to the mains via a motor capacitor that is permanently connected during operation.

Product numbers

Capacitors for MS 402 PSC and MS 4000 PSC		
Capacitor size	**Power [kW]**	**Capacitor**
16 ìF, 400 V, 50 Hz	0.37	96279800
20 µF, 400 V, 50 Hz	0.55	96279732
30 µF, 400 V, 50 Hz	0.75	96279808
40 µF, 400 V, 50 Hz	1.1	96279810

PR 5714 with Pt100 sensor

PR 5714 with Pt100 sensor offers these features:

- continuous monitoring of the motor temperature
- protection against too high motor temperature.

Protecting the motor against too high motor temperature is the simplest and cheapest way of avoiding that the motor life is reduced. The Pt100 sensor ensures that the operating conditions are not exceeded and indicates when it is time for service of the motor.

Monitoring and protection by means of a Pt100 require the following parts:

- Pt100 sensor
- PR 5714 relay
- cable.

The following temperature limits are preset on delivery:

- 60 °C warning limit
- 75 °C stop limit.

To set the warning limit, observe the temperature at normal operation and add 10 °C. Additionally add 10 °C for stop limit.

Technical data

	PR 5714
Enclosure class	IP65 (fitted in a control panel)
Ambient temperature	-20 °C to +60 °C
Relative humidity	95 % (condensating)
Voltage variation	• 1 x 24-230 VAC ± 10 %, 50-60 Hz • 24-250 VDC ± 20 %
Approvals	UL, DNV
Marking	CE