



**Electric Automation**  
Automation specialists

Reference: RSO4090

Selected parameters SYSTEM Output Module LOAD  
Phase 3 HOUSING WIDTH >45mm to 90mm MOTOR  
RATING Up to 3kW OPERATIONAL VOLTAGE Up to  
550VAC LOAD CURRENT Up to 10A CONTROLLED  
PHASES 3-Phase Others LOAD (result) Output module  
for soft starting/stopping of 3-phase induction motors  
LOAD CURRENT 90A AC MAX MOTOR RATING 15 kW  
OPERATIONAL VOLTAGE 220-420V ACrms DIMENSIONS  
103 x 73.5 x 40 mm CONTROLLED PHASES 3-Phase



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## Motor Controllers

### 3-Phase Analog Power Controller

Types RSC-AAM60/RSO .....

- Control and output modules for analogue control of 3-phase induction motors or heaters
- Rated operational current: 3 x 10, 25, 50, 90, 110 AACrms
- Rated operational voltage: Up to 600 VACrms
- Supply voltage range: 10 to 32 VDC
- Control current range: 0 to 20 mA/4 to 20 mA
- LED-indication for line ON and load ON
- Varistor protection
- Approvals: CE, CCC, UL, CSA

### Product Description Ordering Key

RSC-AA M 60

The micro processor based control module RSC-AAM60 is used with output modules RSO... to achieve a voltage controlled soft start/softstop of 3-phase motors and a possibility for energy reduction when e.g. a fan is running with a variable capacity. This function is achieved by controlling the control module with a current between 4 and 20 mA (0 and 20 mA). The output module can be selected according to the rated operational voltage and the size of the load.

This phase angle controlled soft-start unit can be used for pumps, fans, heaters, lights and many other applications.

LED indications for line ON and load ON gives a clear status indication.

Solid State Relay

Soft starting/stopping Control module Output module Control input type Multivoltage

Rated operational voltage

Rated operational current

RSO 4050

Type Selection, Control Module

Control current MainsMax. operational voltageType Number

0-20 mA/4-20 mA Multivoltage 600 VACRSC-AA M 60

Type Selection, Output Module

Rated operational voltageRated operational current

10 A 25 A 50 A 90 A 110 A

3 x 220 VACRSO 2210 RSO 2225 RSO 2250 RSO 2290 RSO 22110

3 x 400 VACRSO 4010 RSO 4025 RSO 4050 RSO 4090 RSO 40110

3 x 480 VACRSO 4810 RSO 4825 RSO 4850 RSO 4890 RSO 48110

3 x 600 VACRSO 6050 RSO 6090 RSO 60110

General Spec., Control Module Control Specifications

Operational voltage range

Line to line150 to 660 VACrms

Operational frequency range45 to 65 Hz

Supply current

@ no output current< 30 mA

@ max. output current< 180 mA

Supply voltage range10 to 32 VDC CE-marking Yes

ApprovalsUL, CSA, CCC

Minimum output voltage Power supply minus 8 VDC Output current

short-circuit protected $\leq$  150 mA DC

Thermal Specifications

Operating temperature -20° to +70°C (-4° to +158°F) Storage temperature -40° to

+100°C (-40° to +212°F)

Specifications are subject to change without notice (26.03.2010) 1