

FEATURES

- 3-Phase Control
- In-built Bypass Relay
- RS485 Bus Communications Interface
- High Degree of Motor Protection
- Wide Motor Voltage Range
- Control Voltage 100 – 240Vac

RS PRO Soft Starter range 0.75kW – 75kW, 400Vac, 3-phase control + RS485

RS Stock No's.

2275224	2275235	2275227	2275233
2275226	2275221	2275229	2275236
2275219	2275223	2275230	2275236
2275231	2275225	2275232	2275222



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Motor Starters

Product Description

- *Motor Soft-Starters are used to eliminate the start-up shock-load characteristics of Direct On Line (DOL) and Star-Delta Starters commonly used in industrial applications. By eliminating the shock loading the machine and its drive train, and other mechanical linkages are protected from damage and premature wear. Also, by using the Voltage Limiting function it is possible to limit the motors inrush current to avoid exceeding any site maximum demand limit.*
- *Soft-Starters are used with Fans, Blenders, Pumps, Crushers, Compressors, Conveyors, Screw Presses, Hoists*
- *Economic alternative to Variable Speed Drives (Inverters) when a motor is run at its synchronous speed.*

Control Method

3-Phase Control

The benefits of 3-Phase control compared to 2-Phase control, which is commonly used in budget Soft-Starters, are higher motor torque and lower motor temperature rise caused by a long start-up ramp or a high torque application. Caution: High motor temperature can significantly reduce the motors working life.

Communications Interface

RS 485

RS 485/Modbus RTU for Bus network monitoring and control

General Specifications

Mounting	35m DIN Rail or backplate screw fixing. See table
Dimensions, mm	See table
Weight	See table

Electrical Specifications

Motor Voltage Range	200 ~ 500Vac, 50/60Hz
Control Voltage Range	100 ~ 240Vac, 50/60Hz
Rated Current @ 400Vac	See table
Rated Power @ 400vac	See table
Rapid Fuse Rating	See table
Initial Motor Voltage	30% ~ 70%
Start Ramp Time Range	0 ~ 30 seconds
Stop Ramp Range	0 ~ 30 seconds
Overload Capability	3 x In for 7 seconds (50% ON time/50% OFF time)
Starts Per Hour	Light Load 5-10. Heavy Load <5. Select higher rated model to increase number of starts per hour if required.

Motor Protection

Protection features:	Over-Current: during start, operation, stop, output current over limit
	Unbalanced Current: If output current balance exceeds setting
	Phase Failure: Will stop the motor if 1 or 2 phases failed or total loss.
	Thyristor (SCR) Over-temperature: Will stop motor if temp exceeds 80°C
	Phase Sequence: Start inhibited if phase sequence incorrect

Environmental Specifications

Operating Temperature	0°C ~ +50°C (32°F ~ 122°F)
Storage Temperature	-40°C ~ +70°C (-40°F ~ 158°F)
Maximum Altitude	1000m (3280ft)
IP Rating	IP42

Approvals

Declarations	MFR Declaration of Conformity
Standards Met	CE, UKCA, RoHS

Similar Products

Stock No.	Brand	Product Name	Rated Current @400Vac	Motor Power @ 400vac
2275224	RS PRO	Soft Starter, 400Vac nom, 3-phase	1.5A	0.75kW
2275226	RS PRO	Soft Starter, 400Vac nom, 3-phase	2.2A	1.1kW
2275219	RS PRO	Soft Starter, 400Vac nom, 3-phase	3.0A	1.5kW
2275231	RS PRO	Soft Starter, 400Vac nom, 3-phase	4.5A	2.2kW
2275235	RS PRO	Soft Starter, 400Vac nom, 3-phase	7.5A	3.7kW
2275221	RS PRO	Soft Starter, 400Vac nom, 3-phase	11.0A	5.5kW
2275223	RS PRO	Soft Starter, 400Vac nom, 3-phase	15.0A	7.5kW
2275225	RS PRO	Soft Starter, 400Vac nom, 3-phase	22.0A	11.0kW
2275227	RS PRO	Soft Starter, 400Vac nom, 3-phase	30.0A	15.0kW
2275229	RS PRO	Soft Starter, 400Vac nom, 3-phase	37.0A	18.5kW
2275230	RS PRO	Soft Starter, 400Vac nom, 3-phase	45.0A	22.0kW
2275232	RS PRO	Soft Starter, 400Vac nom, 3-phase	60.0A	30.0kW
2275233	RS PRO	Soft Starter, 400Vac nom, 3-phase	75.0A	37.0kW
2275236	RS PRO	Soft Starter, 400Vac nom, 3-phase	90.0A	45.0kW
2275220	RS PRO	Soft Starter, 400Vac nom, 3-phase	110.0A	55.0kW
2275222	RS PRO	Soft Starter, 400Vac nom, 3-phase	150.0A	75.0kW

Rated Motor Power & Current per type

Stock No.	220V Pe/kW	400V Pe/kW	500V Pe/kW	Rated Current	Housing Model	Weight
2275224	0.37kW	0.75kW	1.1kW	1.5A	A	1.0kg
2275226	0.55kW	1.1kW	1.5kW	2.2A	A	1.0kg
2275219	0.75kW	1.5kW	2.2kW	3.0A	A	1.0kg
2275231	1.1kW	2.2kW	3.7kW	4.5A	A	1.0kg
2275235	1.5kW	3.7kW	5.5kW	7.5A	A	1.0kg
2275221	2.2kW	5.5kW	7.5kW	11.0A	A	1.0kg
2275223	3.7kW	7.5kW	11.0kW	15.0A	B	1.4kg
2275225	5.5kW	11.0kW	15.0kW	22.0A	B	1.4kg
2275227	7.5kW	15.0kW	18.5kW	30.0A	C	2.4kg
2275229	11.0kW	18.5kW	22.0kW	37.0A	C	2.4kg
2275230	15.0kW	22.0kW	30.0kW	45.0A	C	2.4kg
2275232	18.5kW	30.0kW	37.0kW	60.0A	C	2.4kg
2275233	22.0kW	37.0kW	45.0kW	75.0A	C	2.4kg
2275236	25.0kW	45.0kW	55.0kW	90.0A	D	5.0kg
2275220	30.0kW	55.0kW	75.0kW	110.0A	D	5.2kg
2275222	37.0kW	75.0kW	90.0kW	150.0A	D	5.2kg

Rapid Fuse Ratings per type

Stock No.	SCRI ² T (A ² S)	Fuse rating
2275224	70	5A
2275226	150	10A
2275219	270	10A
2275231	610	16A
2275235	1700	25A
2275221	3630	32A
2275223	5000	40A
2275225	7500	50A
2275227	10000	63A
2275229	11000	100A
2275230	12000	160A

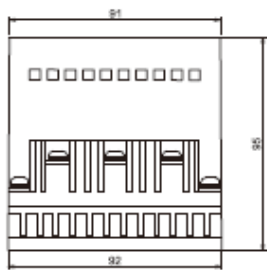
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Rapid Fuse ratings per type (Cont'd)

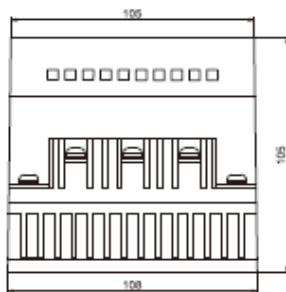
Stock No.	SCRIP ^T (A ² S)	Fuse rating
2275232	15000	200A
2275233	18000	250A
2275236	40000	315A
2275220	60000	315A
2275222	100000	400A

Dimensions

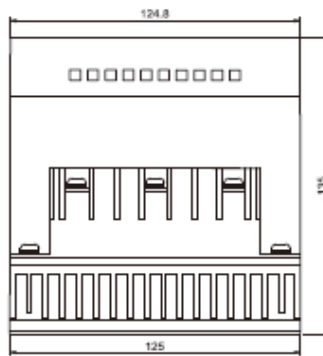
Model A



Model B



Model C



Model D

