# MI-START

Soft Starters

## SOFT STARTER SELECTION SUMMARY

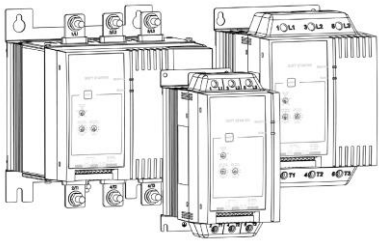
### YOUR APPLICATION

**Industry:**
**Application:**
**Environment:**

**Line Voltage:**
**Motor Size:**

### MODEL SELECTION

**Series:** RSXi
**Model Number:** RSXi-140-V4



**Max Motor FLC:**
**Start Current:**
**Start Duration:**

NOTE: If the expected operational duty exceeds stated starter capability shown above contact your local representative who will verify correct starter selection.

### OPTIONAL ACCESSORIES

**Fieldbus**

- Profibus
- ProfiNet
- Ethernet IP
- Modbus TCP
- Modbus RTU
- DeviceNet

**Finger Guards**

- RSXi-140-RSXi-

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## STANDARD FEATURES

### INTERFACE

| | |
|---|---|
| Rotary potentiometers | LED Status Indication |

### START / STOP FUNCTION

| | | |
|---|---|---|
| Current limit | Current Ramp | Voltage Ramp Stop |

### MOTOR AND SYSTEM PROTECTIONS

| | | |
|---|---|---|
| Motor Overload | Excess Start Time (Stall) | Phase Loss |
| Motor Connection Fault | Current imbalance | Phase Sequence |
| Instant Over Current (Jam) | Motor Thermistor | Line Frequency |

## SPECIFICATIONS

### SUPPLY

| | | |
|---|---|---|
| Main Voltage L1,L2,L3 | RSXi-xxx-V4 | 200~440 VAC (+10% / - 15%) |
| | RSXi-xxx-V6 | 200~575 VAC (+10% / - 15%) |
| Control Voltage A1,A2,A3 | RSXi-xxx-xx-C1 | 110-240 VAC (+10%/-15%)<br>0r 380-440 VAC (+10%/-15%) |
| | RSXi-xxx-xx-C2 | 24 VAC/VDC (+/- 20%) |
| Mains Frequency | 50 Hz~60 Hz (+/- 10%) | |
| Rated insulation | 600 VAC to earth | |
| Form designation | Bypassed semiconductor motor starter form 1 | |

### SHORT CIRCUIT CAPABILITY

| | |
|---|---|
| Coordination with semiconductor fuses | Type 1 |
| Coordination with HRC fuses | Type 2 |

### ELECTROMAGNETIC CAPABILITY (COMPLIANT WITH EU DIRECTIVE 2014/35/EU)

| | | | |
|---|---|---|---|
| EMC Immunity | IEC 60947-4-2 | EMC Emissions | IEC 60947-4-2 Class B |

### INPUTS

| | |
|---|---|
| 150 kΩ @ 300 VAC and 5.6 kΩ @ 24 VAC/VDC | |
| Start (01) | Normally open |
| Stop (02) | Normally closed |

### OUTPUTS

| | |
|---|---|
| 6 A, 30 VDC / 6 A, 250 VAC resistive | |
| Main Contactor (13,14) | Normally open |
| Programmable Relay (23,24) | Normally open |

**ENVIRONMENT**

| | | |
|---|---|---|
| Operating Temperature | -10°C~60°C above 40°C with derating | |
| Storage Temperature | -25°C~+60°C | |
| Operating Altitude | 0-1000m, above 1000m with derating | |
| Humidity | 5%~95% Relative Humidity | |
| Pollution Degree | Pollution Degree 3 | |
| Vibration | IEC 60068 Test Fc Sinusoidal | |
| Protection | RSXi-018~RSXi-100 | IP20 |
| | RSXi-140~RSXi-200 | IP00 |

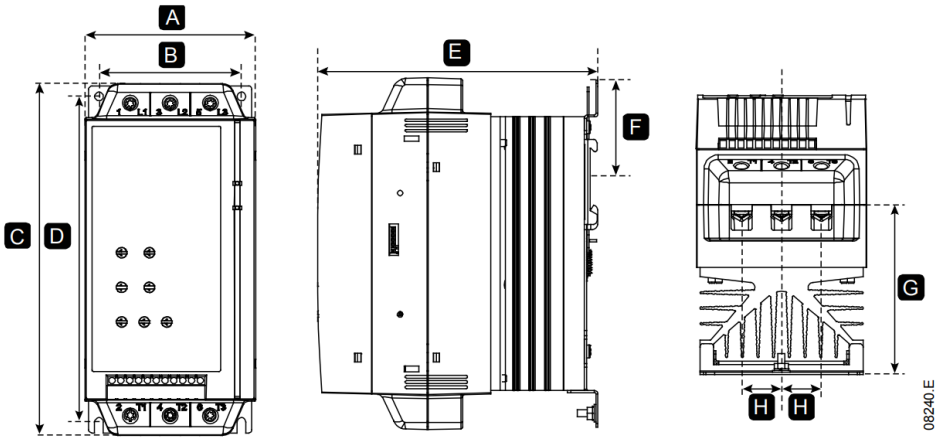
**HEAT DISSIPATION**

| | | | |
|---|---|---|---|
| During Start | 3 watts per ampere | **During Run** | 10 watts typical |

**APPROVALS**

| | | | |
|---|---|---|---|
| RCM | IEC 60947-4-2 | CE | EN 60947-4-2 |

## DIMENSIONS & WEIGHTS




| | Width | | Height | | Depth | | | | Weight |
|---|---|---|---|---|---|---|---|---|---|
| **Model** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | |
| RSXi-018<br>RSXi-034<br>RSXi-042<br>RSXi-048<br>RSXi-060 | 98<br>(3.85) | 82<br>(3.22) | 201<br>(7.91) | 188<br>(7.40) | 165<br>(6.49) | 55<br>(2.16) | 90.5<br>(3.6) | 23<br>(0.9) | 2.2<br>(4.85) |
| RSXi-075<br>RSXi-085<br>RSXi-100 | 145<br>(5.70) | 124<br>(4.88) | 215<br>(8.46) | 196<br>(7.71) | 193<br>(7.59) | - | 110.5<br>(4.4) | 37<br>(1.5) | 4.0<br>(8.81) |
| RSXi-140<br>RSXi-170<br>RSXi-200 | 200<br>(7.87) | 160<br>(6.30) | 240<br>(9.44) | 216<br>(8.50) | 214<br>(8.43) | - | 114.5<br>(4.5) | 51<br>(2.0) | 6.5<br>(14.33) |

mm (inches) kg (lbs)