



Main

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| Range of product | Altistart 22 |
| Product or component type | Soft starter |
| Product destination | Asynchronous motors |
| Product specific application | Pumps and fans |
| Component name | ATS22 |
| Network number of phases | 3 phases |
| [Us] rated supply voltage | 208...600 V - 15...10 % |
| Motor power hp | 15 hp 230 V 30 hp 460 V 40 hp 575 V |
| Factory setting current | 40 A |
| Power dissipation in W | 48 W for standard applications |
| Utilisation category | AC-53A |
| Type of start | Start with torque control (current limited to 3.5 In) |
| IcL starter rating | 47 A connection in the motor supply line for standard applications |
| IP degree of protection | IP20 |

Complementary

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| Assembly style | With heat sink |
| Function available | Internal bypass |
| Supply voltage limits | 177...660 V |
| Supply frequency | 50...60 Hz - 10...10 % |
| Network frequency | 45...66 Hz |
| Device connection | In the motor supply line |
| Control circuit voltage | 110 V -15...10 % 50/60 Hz |
| Control circuit consumption | 20 W |
| Discrete output number | 2 |
| Discrete output type | Relay outputs R1 230 V running, alarm, trip, stopped, not stopped, starting, ready C/O |

Relay outputs R2 230 V running, alarm, trip, stopped, not stopped, starting, ready C/O

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| Minimum switching current | 100 mA 12 V DC relay outputs |
| Maximum switching current | 5 A 250 V AC resistive 1 relay outputs 5 A 30 V DC resistive 1 relay outputs 2 A 250 V AC inductive 0.4 20 ms relay outputs 2 A 30 V DC inductive 7 ms relay outputs |
| Discrete input number | 3 |
| Discrete input type | Logic LI1, LI2, LI3 5 mA 20 kOhm |
| Discrete input voltage | 110 V <= 121 V |
| Discrete input logic | Positive logic LI1, LI2, LI3 < 20 V and <= 15 mA > 79 V <= 2 mA |
| Output current | 0.4...1 Icl adjustable |
| PTC probe input | 750 Ohm |
| Communication port protocol | Modbus |
| Connector type | 1 RJ45 |
| Communication data link | Serial |
| Physical interface | RS485 multidrop |
| Transmission rate | 4800, 9600 or 19200 bps |
| Installed device | 31 |
| Protection type | Phase failure line Thermal protection starter Thermal protection motor |
| Marking | CE |
| Type of cooling | Forced convection |
| Operating position | Vertical +/- 10 degree |
| Height | 265 mm |
| Width | 130 mm |
| Depth | 169 mm |
| Product weight | 7 kg |

Environment

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| Electromagnetic compatibility | Conducted and radiated emissions level A IEC 60947-4-2 Damped oscillating waves level 3 IEC 61000-4-12 Electrostatic discharge level 3 IEC 61000-4-2 Immunity to electrical transients level 4 IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 IEC 61000-4-3 Voltage/Current impulse level 3 IEC 61000-4-5 |
| Standards | EN/IEC 60947-4-2 |
| Product certifications | UL GOST CSA CCC C-Tick |
| Vibration resistance | 1.5 mm 2...13 Hz EN/IEC 60068-2-6 1 gn 13...200 Hz EN/IEC 60068-2-6 |
| Shock resistance | 15 gn 11 ms EN/IEC 60068-2-27 |
| Noise level | 45 dB |
| Pollution degree | Level 2 IEC 60664-1 |
| Relative humidity | <= 95 % without condensation or dripping water EN/IEC 60068-2-3 |
| Ambient air temperature for operation | -10...40 °C without derating > 40...< 60 °C with current derating 2.2 % per °C |
| Ambient air temperature for storage | -25...70 °C |
| Operating altitude | <= 1000 m without derating > 1000...< 2000 m with current derating of 2.2 % per additional 100 m |


Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0939 - Schneider Electric declaration of conformity |

 [Schneider Electric declaration of conformity](#)

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| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
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| Product environmental profile | Available  Product environmental |
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| Product end of life instructions | Available  End of life manual |
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Contractual warranty

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| Warranty period | 18 months |
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