

# ATS22C25S6

soft starter-ATS22-control 220V-power  
230V(75kW)/400...440V(132kW)/500V(160kW)

## Main

|                              |   |
|------------------------------|---|
| 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    | 230...600 V - 15...10 %   |
| Motor power kW               | 132 KW 400 V<br>132 KW 440 V<br>75 KW 230 V<br>160 kW 500 V             |
| Factory setting current      | 240 A   |
| Power dissipation in W       | 129 W for standard applications   |
| Utilisation category         | AC-53A  |
| Type of start                | Start with torque control (current limited to 3.5 In)                   |
| IcL starter rating           | 250 A for connection in the motor supply line for standard applications |
| IP degree of protection      | IP00  |

## Complementary




|                              |  |
|------------------------------|--|
| Assembly style               | With heat sink   |
| Function available           | Internal bypass  |
| Supply voltage limits        | 195...660 V  |
| Supply frequency             | 50...60 Hz - 10...10 %   |
| Network frequency            | 45...66 Hz   |
| Device connection            | In the motor supply line   |
| [Uc] control circuit voltage | 230 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<br>Relay outputs R2 230 V running, alarm, trip, stopped, not stopped, starting, ready C/O |
| Minimum switching current    | 100 mA at 12 V DC (relay outputs)  |
| Maximum switching current    | 5 A 250 V AC resistive 1 relay outputs<br>5 A 30 V DC resistive 1 relay outputs<br>2 A 250 V AC inductive 0.4 20 ms relay outputs<br>2 A 30 V DC inductive 7 ms relay outputs    |
| Discrete input number        | 3  |
| Discrete input type          | (LI1, LI2, LI3) logic, 5 mA 4.3 kOhm   |
| Discrete input voltage       | 24 V <= 30 V   |
| Discrete input logic         | Positive logic LI1, LI2, LI3 at State 0: < 5 V and <= 2 mA at State 1: > 11 V, >= 5 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<br>Thermal protection: motor<br>Thermal protection: starter                                     |
| Marking                | CE  |
| Type of cooling        | Forced convection   |
| Operating position     | Vertical +/- 10 degree  |
| Height                 | 425 mm  |
| Width                  | 206 mm  |
| Depth                  | 299 mm  |
| Net weight             | 33 kg   |
| Motor power range AC-3 | 55...100 KW at 200...240 V 3 phases<br>110...220 KW at 380...440 V 3 phases<br>110...220 kW at 480...500 V 3 phases |
| Motor starter type     | Soft starter  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Electromagnetic compatibility         | Conducted and radiated emissions level A conforming to IEC 60947-4-2<br>Damped oscillating waves level 3 conforming to IEC 61000-4-12<br>Electrostatic discharge level 3 conforming to IEC 61000-4-2<br>Immunity to electrical transients level 4 conforming to IEC 61000-4-4<br>Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-3<br>Voltage/current impulse level 3 conforming to IEC 61000-4-5 |
| Standards                             | IEC 60947-4-2  |
| Product certifications                | UL[RETURN]CCC[RETURN]CSA[RETURN]GOST[RETURN]C-Tick   |
| Vibration resistance                  | 1 gn (f= 13...200 Hz) conforming to IEC 60068-2-6<br>1.5 mm (f= 2...13 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                      | 15 gn for 11 ms conforming to IEC 60068-2-27   |
| Noise level                           | 56 dB  |
| Pollution degree                      | Level 2 conforming to IEC 60664-1  |
| Relative humidity                     | 0...95 % without condensation or dripping water conforming to IEC 60068-2-3  |
| Ambient air temperature for operation | -10...40 °C (without derating)<br>40...60 °C (with current derating 2.2 % per °C)  |
| Ambient air temperature for storage   | -25...70 °C  |
| Operating altitude                    | <= 1000 m without derating<br>> 1000...< 2000 m with current derating of 2.2 % per additional 100 m  |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           |  <a href="#">REACH Declaration</a>       |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  |
| Mercury free               | Yes   |
| RoHS exemption information |  <a href="#">Yes</a>                     |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |