Product datasheet
Characteristics

ATS22D47S6U
soft starter-ATS22-control 110V-power 230V (15hp)/460V(30hp)/575V(40hp)

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	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

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
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	Thermal protection motor Phase failure line Thermal protection starter
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

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	CCC CSA C-Tick GOST UL
vibration resistance	1 gn 13...200 Hz EN/IEC 60068-2-6 1.5 mm 2...13 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

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0939 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months

Präsentation

Der Sanftanlasser Altistart 22 unterstützt den geführten Hochlauf und Auslauf von Drehstrom-Asynchron-Motoren mit Käfigläufer für Nennleistungen zwischen 4 und 400 kW mittels der Spannung und des Anlaufmoments.

Er ist einsatzbereit bei Standardanwendungen mit Motorschutzklasse 10.

Strombegrenzung

Die Strombegrenzung wird verwendet, um den maximalen Strom festzulegen, der dem Motor beim Anlauf zugeführt werden kann.

Der Stromwert hängt von der Anlaufleistung des verwendeten Altistart 22 und dem für den Motor zulässigen Maximalstrom ab.

Einstellbereich:

- 200 % bis 700 % des eingestellten Motorbemessungsstroms
- Begrenzung auf 350 % des maximalen Dauerstroms, der für den Leistungsbereich des Anlassers definiert wurde.