Product data sheet
Characteristics

ATS22C14S6U
softstarter-ATS22-control110V-power208V(40hp)/230V(40hp)/460V(100hp)/575V(125

Main

range of product	Altistart 22
product or component type	Soft starter
product destination	Asynchronous motors
product specific application	Severe and standard applications
component name	ATS22
network number of phases	3 phases
[Us] rated supply voltage	208...600 V (- 15...10 %)
motor power hp	50 hp at 230 V 100 hp at 460 V 40 hp at 208 V 125 hp at 575 V
factory setting current	124 A
power dissipation in W	82 W for standard applications
utilisation category	AC-53A
type of start	Start with torque control (current limited to 3.5 In)
IcL starter rating	140 A (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	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...115 V -15...10 % at 50/60 Hz
control circuit consumption	20 W
discrete output number	2
discrete output type	(R2)Relay outputs 230 V running, alarm, trip, stopped, not stopped, starting, ready, C/O (R1)Relay outputs 230 V running, alarm, trip, stopped, not stopped, starting, ready, C/O
minimum switching current	Relay outputs 100 mA at 12 V, DC
maximum switching current	Relay outputs 2 A at 30 V, DC inductive load, L/R = 7 ms Relay outputs 5 A at 250 V, AC resistive load, cos phi = 1 Relay outputs 2 A at 250 V, AC inductive load, cos phi = 0.4, L/R = 20 ms Relay outputs 5 A at 30 V, DC resistive load, cos phi = 1
discrete input number	3
discrete input type	(LI1, LI2, LI3) logic 5 mA 20 kOhm
discrete input voltage	110 V (<= 121 V)
discrete input logic	(LI1, LI2, LI3) positive logic state 0 < 20 V and < 15 mA state 1 > 79 V and > 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 on starter Phase failure on line Thermal protection on motor
marking	CE
type of cooling	Forced convection
operating position	Vertical +/- 10 degree
height	356 mm
width	150 mm
depth	229.5 mm
product weight	18 kg

Environment

electromagnetic compatibility	Electrostatic discharge conforming to IEC 61000-4-2 level 3 Conducted and radiated emissions conforming to IEC 60947-4-2 level A Voltage/Current impulse conforming to IEC 61000-4-5 level 3 Immunity to radiated radio-electrical interference conforming to IEC 61000-4-3 level 3 Damped oscillating waves conforming to IEC 61000-4-12 level 3 Immunity to electrical transients conforming to IEC 61000-4-4 level 4
standards	EN/IEC 60947-4-2
product certifications	GOST CSA CCC C-Tick UL
vibration resistance	1 gn (f = 13...200 Hz) conforming to EN/IEC 60068-2-6 1.5 mm (f = 2...13 Hz) conforming to EN/IEC 60068-2-6
shock resistance	15 gn for 11 ms conforming to EN/IEC 60068-2-27
noise level	56 dB
pollution degree	Level 2 conforming to IEC 60664-1
relative humidity	<= 95 % without condensation or dripping water conforming to EN/IEC 60068-2-3
ambient air temperature for operation	> 40...< 60 °C with current derating 2.2 % per °C -10...40 °C without derating
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 Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental
Product end of life instructions	Available End Of Life Manual

Contractual warranty

Warranty period	18 months