

Product Datasheet

Characteristic

ATS22C59S6

softstart-ATS22-ctrl220V-
power230V(160kW)/400V(315kW)/
440V(355kW)/500V(400kW)



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
Phase	3 phases
[Us] rated supply voltage	230...600 V - 15...10 %
motor power kW	160 kW 230 V 315 kW 400 V 355 kW 440 V 400 kW 500 V
factory setting current	477 A
power dissipation in W	251 W for standard applications
utilisation category	AC-53A
type of start	start with torque control (current limited to 3.5 In)
IcL starter rating	590 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	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 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 4.3 kOhm
discrete input voltage	24 V <= 30 V
discrete input logic	positive logic LI1, LI2, LI3 < 5 V and <= 2 mA > 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 thermal protection (motor) thermal protection starter
marking	CE
type of cooling	forced convection
operating position	vertical +/- 10 degree
height	17.91 in (455 mm)
width	11.97 in (304 mm)
depth	13.37 in (339.7 mm)
product weight	110.23 lb(US) (50 kg)
motor power range AC-3	110...220 kW 200...240 V 3 phases 250...500 kW 480...500 V 3 phases 250...500 kW 380...440 V 3 phases
motor starter type	soft starter

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	56 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	14...104 °F (-10...40 °C) without derating > 104...< 140 °F (> 40...< 60 °C) with current derating 2.2 % per °C
ambient air temperature for storage	-13...158 °F (-25...70 °C)
operating altitude	<= 3280.84 ft (1000 m) without derating > 3280.84...< 6561.68 ft (> 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