Product data sheet
Characteristics

ATS22C25S6
soft starter for asynchronous motor, Altistart 22, control 230V, 230 to 500V, 75 to 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 132 KW 440 V 75 KW 230 V 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 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 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	(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 Thermal protection: motor 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
Power range	55…100 KW at 200…240 V 3 phases 110…220 KW at 380…440 V 3 phases 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 Damped oscillating waves level 3 conforming to IEC 61000-4-12 Electrostatic discharge level 3 conforming to IEC 61000-4-2 Immunity to electrical transients level 4 conforming to IEC 61000-4-4 Immunity to radiated radio-electrical interference level 3 conforming to IEC 61000-4-3 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 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) 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	49.0 Cm
Package 1 Width	37.0 Cm
Package 1 Length	55.5 Cm
Package 1 Weight	26.5 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	74d74380-6cb3-4414-bfb8-7b8212ccd88c
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, wh
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. announced

ATS22C25S6 may be replaced by any of the following products:



ATS430C25S6

Soft starter, Altivar Soft Starter ATS430, 250A, 208 to 600V AC, control supply 110 to 230V AC

Qty 1

Substitution date: |