



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...440 V - 15...10 %
Motor power kW	160 KW 230 V 315 KW 400 V 355 KW 440 V
Factory setting current	560 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 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...484 V
Supply frequency	50...60 Hz - 10...10 %
Network frequency	45...66 Hz
Device connection	To the motor delta terminals 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/... Relay outputs R2 230 V running, alarm, trip, stopped, not stopped, starting, ready C/...
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 I _{cl} 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	455 Mm
Width	304 Mm
Depth	339,7 Mm
Product weight	50 Kg
Power range	110...220 KW at 200...240 V 3 phases 250...500 KW at 380...440 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	EN/IEC 60947-4-2
Product certifications	UL CCC C-Tick CSA GOST
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	0...95 % without condensation or dripping water conforming to 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

Packing Units

Loại đơn vị của Gói hàng 1	PCE
Số lượng Đơn vị trong Gói hàng 1	1
Trọng lượng Gói hàng 1	39,75 Kg
Chiều cao Gói hàng 1	50 Cm
Chiều rộng Gói hàng 1	40 Cm
Chiều dài Gói hàng 1	60 Cm
Loại đơn vị của Gói hàng 2	P06
Số lượng Đơn vị trong Gói hàng 2	2
Trọng lượng Gói hàng 2	88 Kg
Chiều cao Gói hàng 2	71 Cm

Chiều rộng Gói hàng 2	80 Cm
Chiều dài Gói hàng 2	60 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty	18 months
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Product Life Status :	Commercialised
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