Product datasheet Characteristics

ATS22D17Q

soft starter-ATS22-control 220V-power 230V(4kW)/400...440V(7.5kW)



Main

Altistart 22	
Soft starter	
Asynchronous motors	
Severe and standard applications	
ATS22	
3 phases	
230440 V (- 1510 %)	
7.5 kW at 440 V 7.5 kW at 400 V 4 kW at 230 V	
14.8 A	
39 W for standard applications	
AC-53A	
Start with torque control (current limited to 3.5 ln)	
17 A (connection in the motor supply line) for standard applications	
IP20	
	Soft starter Asynchronous motors Severe and standard applications ATS22 3 phases 230440 V (- 1510 %) 7.5 kW at 440 V 7.5 kW at 440 V 4 kW at 230 V 14.8 A 39 W for standard applications AC-53A Start with torque control (current limited to 3.5 ln) 17 A (connection in the motor supply line) for standard applications

Complementary

Complementary		<u>.</u>
Assembly style	With heat sink	
Function available	Internal bypass	, T
Supply voltage limits	195484 V	
Supply frequency	5060 Hz (- 1010 %)	
Network frequency	4566 Hz	
Device connection	In the motor supply line To the motor delta terminals	to de la constant de
Control circuit voltage	220230 V -1510 % at 50/60 Hz	5
Control circuit consumption	20 W	<u>۔</u> ب
Discrete output number	2	

Discrete output type	utput 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 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 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		
Discrete input number	3		
Discrete input type	(L11, L12, L13) logic 5 mA 4.3 kOhm		
Discrete input voltage	24 V (<= 30 V)		
Discrete input logic	(LI1, LI2, LI3) positive logic state 0 < 5 V and < 2 mA state 1 > 11 V and > 5 mA		
Output current	0.41 lcl 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 motor Phase failure on line Thermal protection on 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	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 Immunity to electrical transients conforming to IEC 61000-4-4 level 4 Electrostatic discharge conforming to IEC 61000-4-2 level 3 Conducted and radiated emissions conforming to IEC 60947-4-2 level A Damped oscillating waves conforming to IEC 61000-4-12 level 3
Standards	EN/IEC 60947-4-2
Product certifications	CSA CCC GOST UL C-Tick
Vibration resistance	1.5 mm (f = 213 Hz) conforming to EN/IEC 60068-2-6 1 gn (f = 13200 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to EN/IEC 60068-2-27
Noise level	45 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 -1040 °C without derating
Ambient air temperature for storage	-2570 °C
Operating altitude	> 1000< 2000 m with current derating of 2.2 % per additional 100 m <= 1000 m without derating

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0938 - Schneider Electric declaration of conformity



	Schneider Electric declaration of conformity		
REACh	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details		
Product environmental profile	Available Product environmental		
Product end of life instructions	Available Find of life manual		
Contractual warranty			

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Warranty period	18 months	

Schneider Electric

Product datasheet Presentation

ATS22D17Q

Presentation

The Altistart 22 soft start - soft stop unit supports the controlled starting and stopping, via voltage and torque, of three-phase squirrel cage asynchronous motors for power ratings between 4 and 400 kW.

It comes ready to use for standard applications with class 10 motor protection.

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Product datasheet Dimensions Drawings

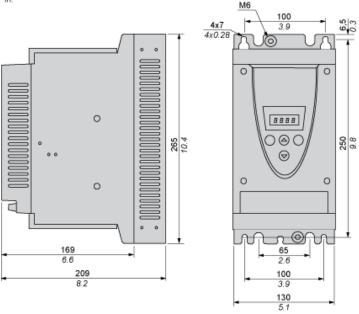
ATS22D17Q

Dimensions and Weights

Dimensions

Frame Size A



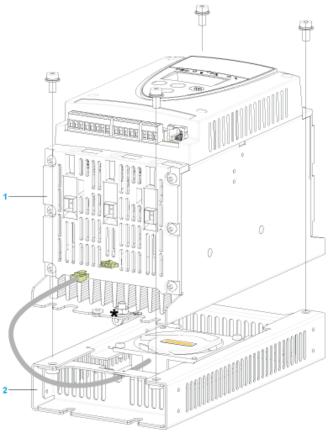


Weights

Starter	kg	lb
Without fan	5	11.1
With fan (1)	6.2	13.8
Gross weight	7	15.8

Mounting

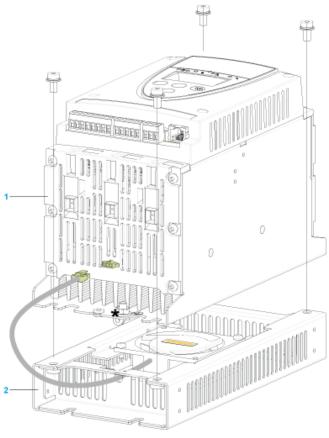
Connection Between the Fan and the Altistart 22 Soft Starter



- 1 Altistart 22 Soft Starter
- 2 Fan

Mounting

Connection Between the Fan and the Altistart 22 Soft Starter



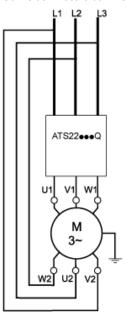
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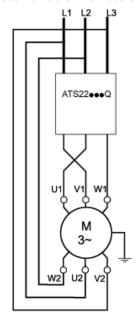
Connection in the motor delta winding in series with each winding

Wiring

ATS22 soft starters connected to motors with the delta connections can be inserted in series in the motor windings.

The following wiring requieres particular attention. It is documented in the Altistart 22 Soft start - soft stop unit user manual. Please contact Schneider Electric commercial organisation for further informations.





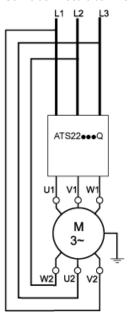
Example

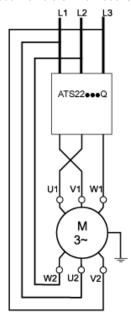
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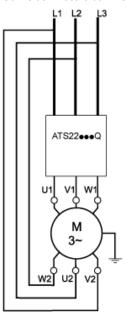
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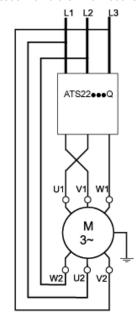
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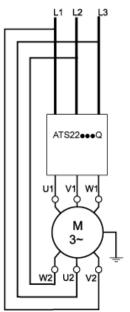
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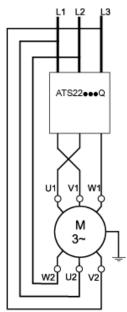
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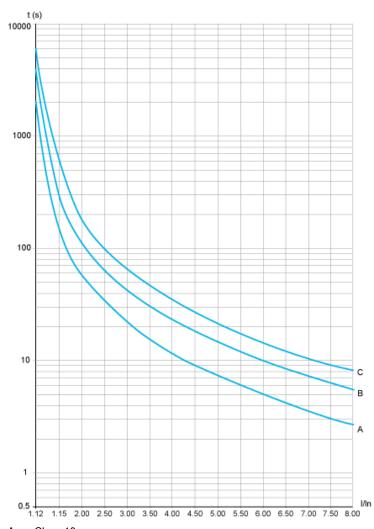




Example

Motor Thermal Protection - Warm Curves

Curves



A Class 10

B Class 20

C Class 30

Trip time for a Standard Application (Class 10)

3.5 ln 16 s

Trip time for a Severe Application (Class 20)

3.5 ln

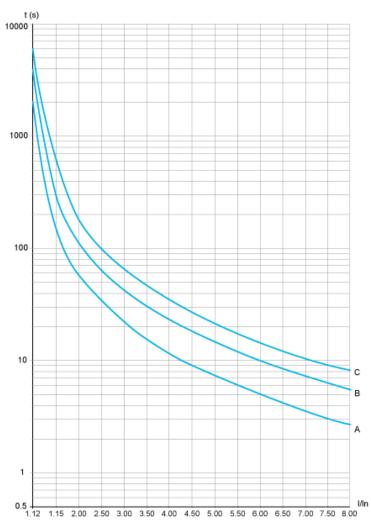
32 s

Trip time for a Severe Application (Class 30)

3.5 ln	
48 s	

Motor Thermal Protection - Warm Curves

Curves



A Class 10

B Class 20

C Class 30

Trip time for a Standard Application (Class 10)

3.5 ln 16 s

Trip time for a Severe Application (Class 20)

3.5 ln

32 s

Trip time for a Severe Application (Class 30)

3.5 In	
48 s	