Produktdatablad

Specifikationer

Softstarter 57A. 30KW. 3x230-440V

El-nr.:

7565700848 ATS22D62Q

EAN-nr: 3606480167218

Egenskaber

Produktserie	"Altistart 22"
Produkttype	Soft starter
Anvendelse	Asynkron motor
Produktspecifik applikation	Pumps and fans
type nr.	"ATS22"
Antal faser	3 faser
[Us] nominel forsyningsspænding	"230...440 V" - 15...10 %
motoreffekt i kW	15 kW 230 V 30 kW 400 V 30 kW 440 V
fabriksindstillet strøm	57 A
effekttab i W	59 W for standard applikationer
Anvendelseskategori	"AC-53A"
startmåde	Start med torque kontrol (current begrænset til 3.5 In)
IcL starter rating	62 A til forbindelse i motor forsyning line for standard applikationer
IP kapslingsklasse	IP20

Produktinformationer

Montagetype	Med heved sink
funktioner	Intern bypass
Grænse for forsyningsspænding	195…484 V
tilslutningsfrekvens	50...60 Hz - 10...10 %
Netværksfrekvens	45...66 Hz
enhedens forbindelse	Til motor delta terminals I motor forsyning line
styrespænding	230 V - 15...10 % 50/60 Hz
strømkreds	20 W
antal digitale udgange	2
digital udgangstype	Relæ output "R1" 230 V running, alarm, trip, stopped, ikke stopped, starting, klar C/O Relæ output "R2" 230 V running, alarm, trip, stopped, ikke stopped, starting, klar C/O
minimum sluttestrøm	100 mA ved 12 V DC (relæ output)
maksimum sluttestrøm	5 A 250 V AC modstandsdygtig 1 relæ output 5 A 30 V DC modstandsdygtig 1 relæ output 2 A 250 V AC inductiv 0,4 20 milisekund relæ output 2 A 30 V DC inductiv 7 milisekund relæ output

Ansvarsfraskrivelse: Denne dokumentation er ikke tænkt som en erstatning for og kan ikke anvendes til at afgøre egnetheden eller pålideligheden for disse produkter til bestemte anvendelsesformål.

digital indgangsnummer	3
digital indgangstype	("LI1, LI2, LI3") logic, 5 mA 4.3 kOhm
digital indgangsspænding	24 V <= 30 V
digital indgangslogik	Positiv logik "LI1, LI2, LI3" på tilstand 0: < 5 V og <= 2 mA på tilstand 1: > 11 V, >= 5 mA
output strøm	0.4...1 Icl Justerbar
PTC sonde input	750 Ohm
Kommunikationsportsprotokol	Modbus
Forbindelsestype	"1 RJ45"
kommunikation data link	Seriel
fysisk interface	RS485 multimerop
Transmissionshastighed	4800, 9600 eller 19200 bps
installeret udstyr	31
beskyttelsestype	Fase fejl: linie Thermal beskyttelse: Motor Thermal beskyttelse: starter
Mærkning	CE
afkølingsmåde	Tvangskøling
Driftsstilling	Vertikal +/- 10 grad
Højde	295 mm
bredde	145 mm
Dybde	207 mm
Vægt	12 kg
Motor power range AC-3	15…25 kW ved 200…240 V 3 faser 30…50 kW ved 380…440 V 3 faser
Motorstartertype	Softstarter

Miljø

elektromagnetisk kompatibilitet	Emissionsstråling og udledelse level A conforming to IEC 60947-4-2 Damped oscillating waves Level 3 conforming to IEC 61000-4-12 Elektrostatisk afladning Level 3 conforming to IEC 61000-4-2 Immunity til elektrisk transients level 4 conforming to IEC 61000-4-4 Immunity til radiated radio-elektrisk interference Level 3 conforming to IEC 61000-4-3 Voltage/current impulse Level 3 conforming to IEC 61000-4-5
Standarder	IEC 60947-4-2
Produktcertificeringer	C-Tick CCC UL CSA GOST
Vibrationsmodstand	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
Modstandsdygtighed overfor stød	15 gn til 11 milisekund i henhold til IEC 60068-2-27
støjgrænse	45 dB
Forureningsgrad	Level 2 i henhold til IEC 60664-1
relativ fugtighed	0…95 % uden kondens eller vand i henhold til "IEC 60068-2-3"
temperatur ved drift	-10…40 °C (uden tab) 40…60 °C (med strøm derating 2.2 % pr. °C)

Omgivelsestemperatur ved opbevaring	-25…70 °C
driftshøjde	<= 1000 m uden tab > 1000...< 2000 m med strøm derating af 2.2 % pr. yderligere 100 m

Forpakningsinformation

Enhedstype af pakke 1	PCE
Antal enheder i pakke 1	1
Pakke 1 Højde	31,0 cm
Pakke 1 Længde	23,5 cm
Package 1 Length	36,0 cm
Pakke 1 Vægt	8,262 kg
Enhedstype af pakke 2	P06
Antal enheder i pakke 2	6
Pakke 2 Højde	73,5 cm
Pakke 2 Bredde	80,0 cm
Pakke 2 Længde	60,0 cm
Pakke 2 Vægt	64,0 kg

Logistik informationer

Oprindelsesland	ID

Garanti

Garanti	18 months

Environmental Data

Schneider Electrics mål er at opnå Net Zero-status i 2050 gennem partnerskaber med forsyningskæden, materialer med lavere påvirkning og cirkularitet via vores igangværende kampagne "Use Better, Use Longer, Use Again" for at forlænge produkternes levetid og genbrugelighed.

Forklaring af Environmental Data >

Sådan vurderer vi produktets bæredygtighed >

Use Better

Materialer og emballage

Pakke med genbrugspap	**No**
Emballage uden plast	**No**
EU RoHS-direktivet	**Proaktiv overensstemmelse (produkt ikke omfattet af EU RoHS)**
SCIP-nummer	**C561d3f6-3db9-4271-aee2-5f3dd53ad083**
Reach-forordning	**REACh-erklæring**

Use Again

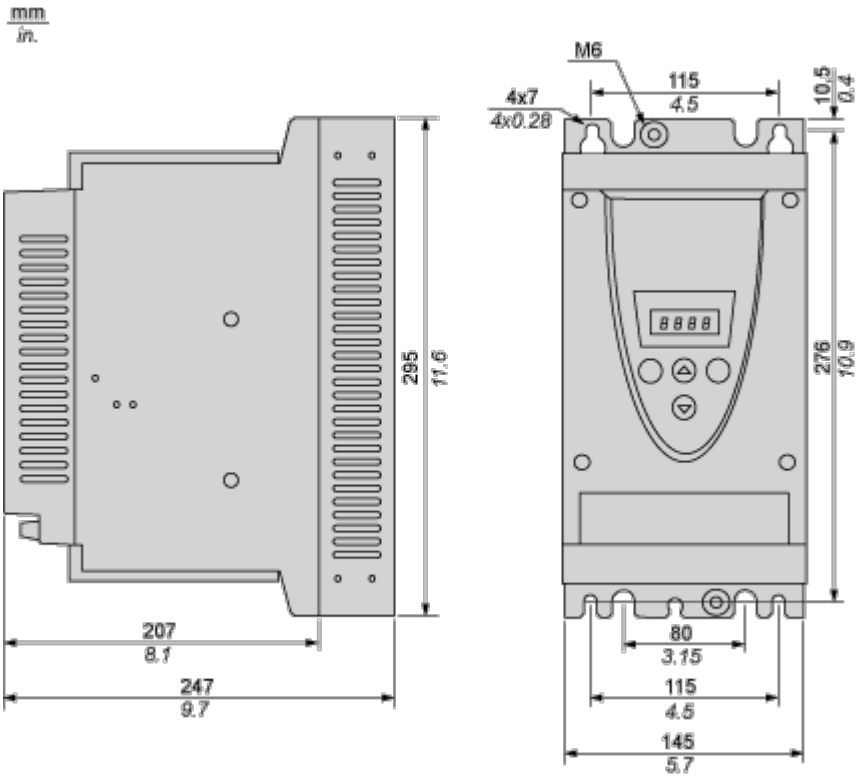
Ompakning og genfremstilling

Returnering	**No**
WEEE	**Produktet skal bortskaffes på EU's markeder efter en specifik affaldsindsamling og må aldrig ende i skraldespande**

Dimensions Drawings

Frame Size B

Dimensions



Mounting and Clearance

Precautions

Standards

The Altistart 22 soft starter is compliant with pollution Degree 2 as defined in NEMA ICS1-1 or IEC 60664-1.
For environment pollution degree 3, install the Altistart 22 soft starter inside a cabinet type 12 or IP54.

DANGER

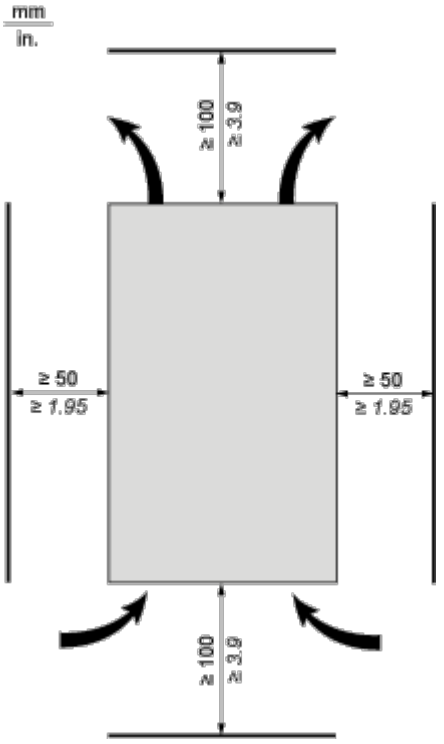
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

ATS22 soft starters are open devices and must be mounted in a suitable enclosure.

Failure to follow these instructions will result in death or serious injury.

Air Circulation

Leave sufficient free space to help the air required for cooling purposes to circulate from the bottom to the top of the unit.



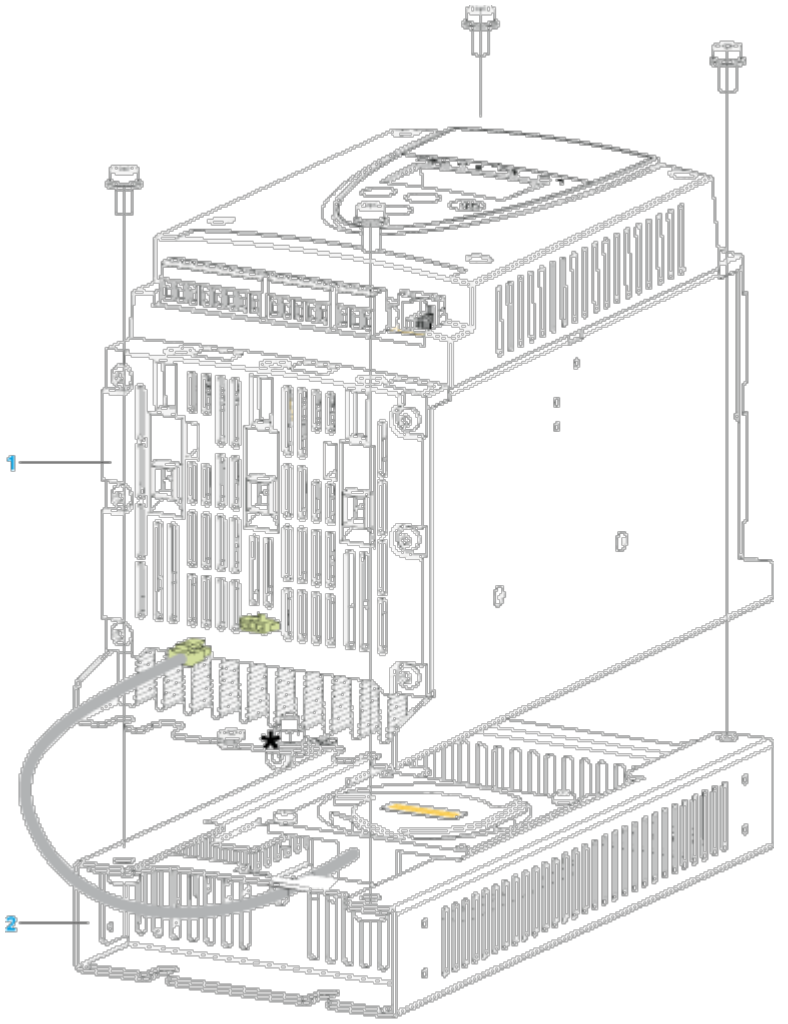
Overheating

To avoid the soft starter to overheat, respect the following recommendations:

- Mount the Altistart 22 Soft Starter within ± 10° of vertical.
- Do not locate the Altistart 22 Soft Starter near heat radiating elements.
- Electrical current through the Altistart 22 Soft Starter will result in heat losses that must be dissipated into the ambient air immediately surrounding the soft starter. To help prevent a thermal fault, provide sufficient enclosure cooling and/or ventilation to limit the ambient temperature around the soft starter.
- If several soft starters are installed in a control panel, arrange them in a row. Do not stack soft starters. Heat generated from the bottom soft starter can adversely affect the ambient temperature around the top soft starter.

Mounting

Connection Between the Fan and the Altistart 22 Soft Starter



1 Altistart 22 Soft Starter

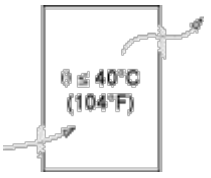
2 Fan

Wall mounted or Floor-standing Enclosure with IP 23 Degree of protection

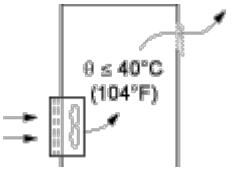
Introduction

To help proper air circulation in the soft starter, grilles and forced ventilation can be installed.

Ventilation Grilles



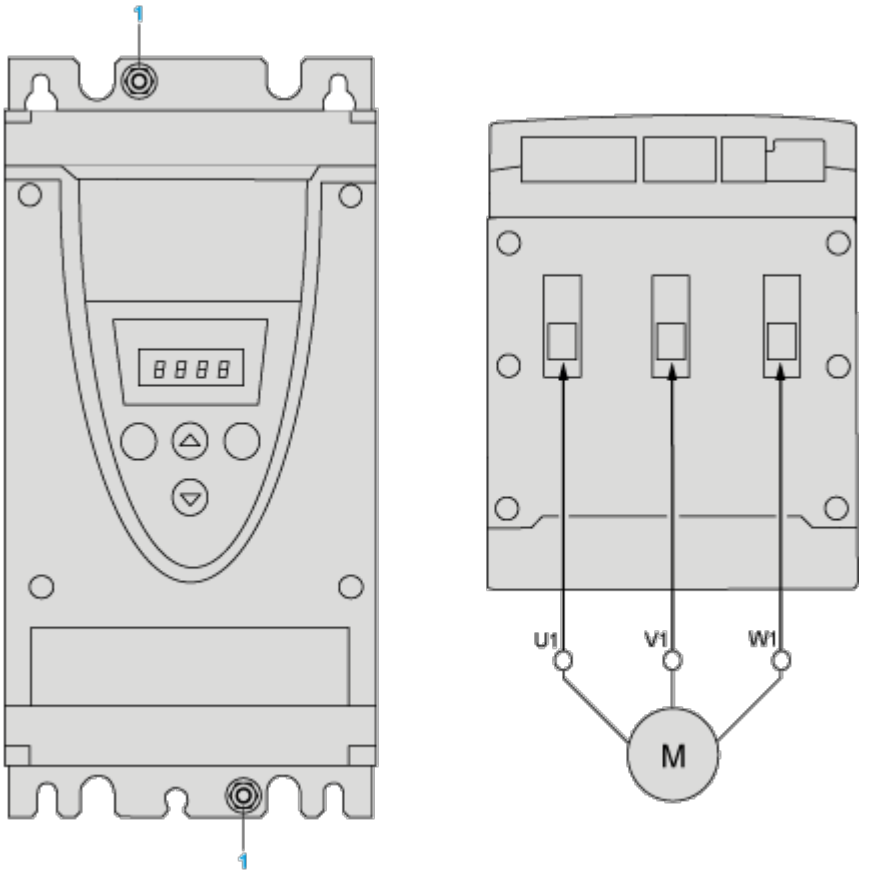
Forced Ventilation Unit



Connections and Schema

Power Terminal

Cage Style



1 Ground connection

Power connections, minimum and maximum wiring capabilities, tightening torque

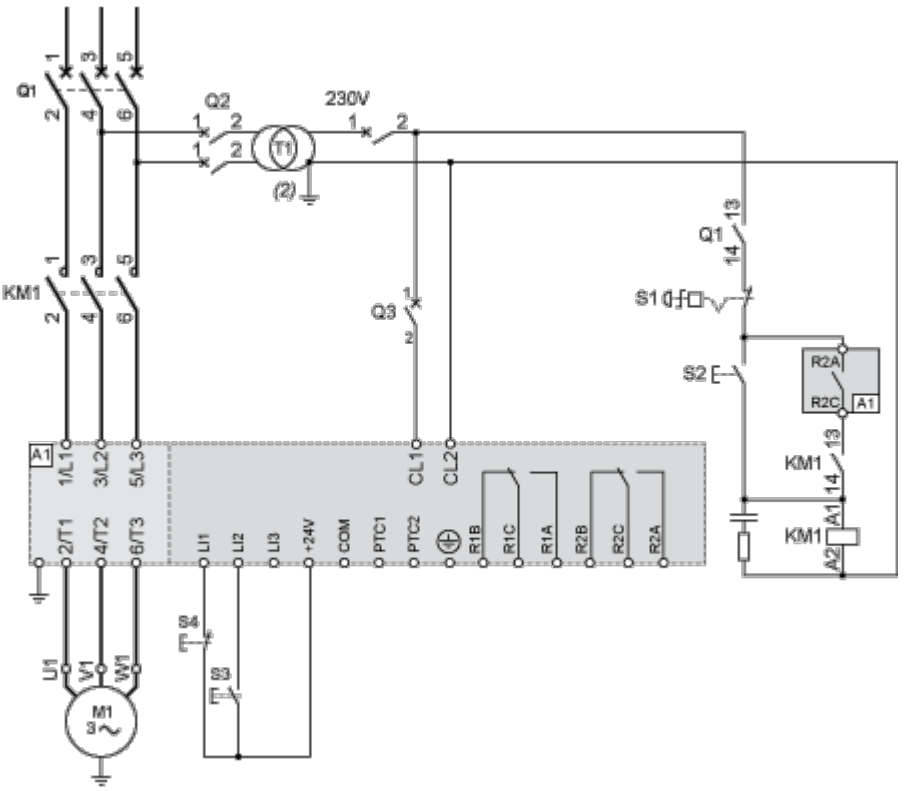
			IEC cable	UL cable
Power supply and output to motor	Size/gauge	min	4 mm (a)	10 AWG (a)
		max	50 mm	1/0 AWG
	Tightening torque	min	8 N.m	70 lb.in
		max	8 N.m	70 lb.in
	Strip length		15 mm	0.6 in.

Power connections, minimum required wiring section

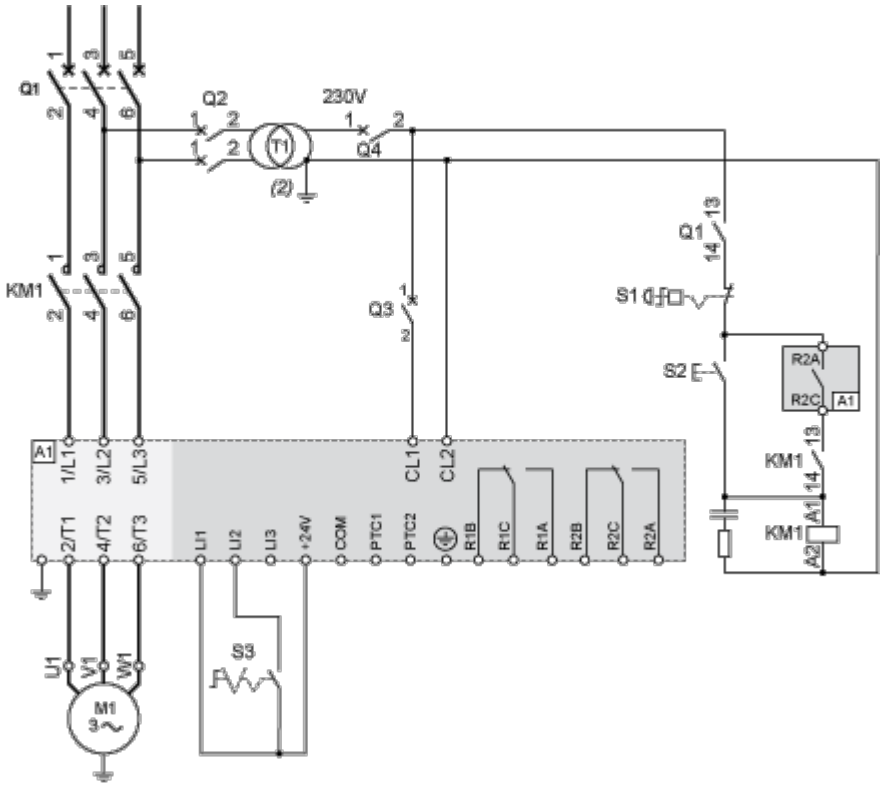
IEC cable mm² (Cu 70°C/158°F) (1)	UL cable AWG (Cu 75°C/167°F) (1)
16	4

230 Vac control, logic Inputs (LI) 24 Vdc, 3-wire control

With Line Contactor, Freewheel or Controlled Stop



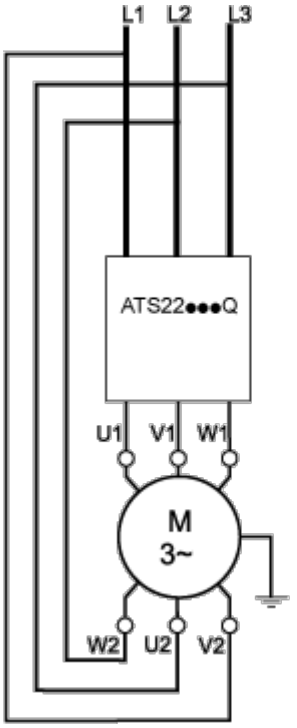
230 Vac control, logic Inputs (LI) 24 Vdc, 2-wire control,freewheel stop

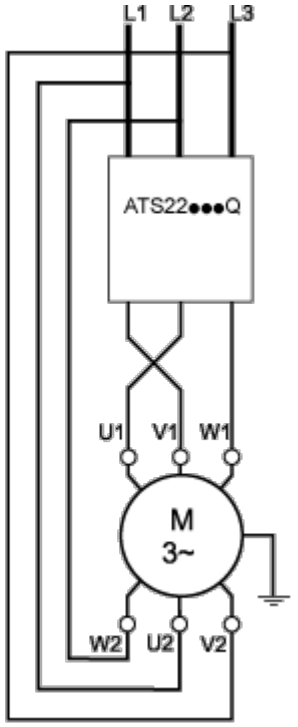


Connection in the motor delta winding in series with each winding

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.





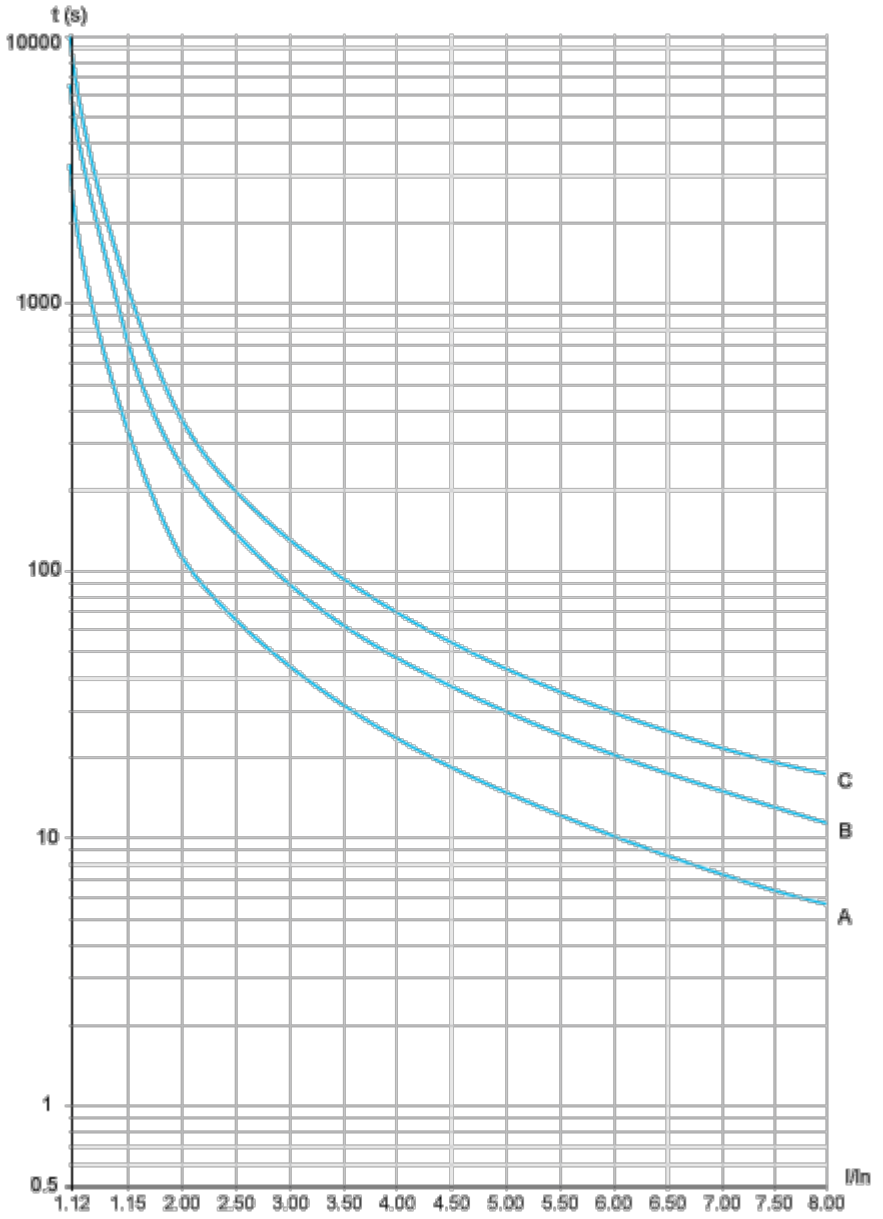
Example

A 400 V - 110 kW motor with a line current of 195 A (nominal current for the delta connection). The current in each winding is equal to 195/1.5 or 130 A. The rating is determined by selecting the soft starter with a permanent nominal current (ICL) just above this current.

Performance Curves

Motor Thermal Protection - Cold Curves

Curves



A Class 10

B Class 20

C Class 30

Trip time for a Standard Application (Class 10)

3.5 In
32 s

Trip time for a Severe Application (Class 20)

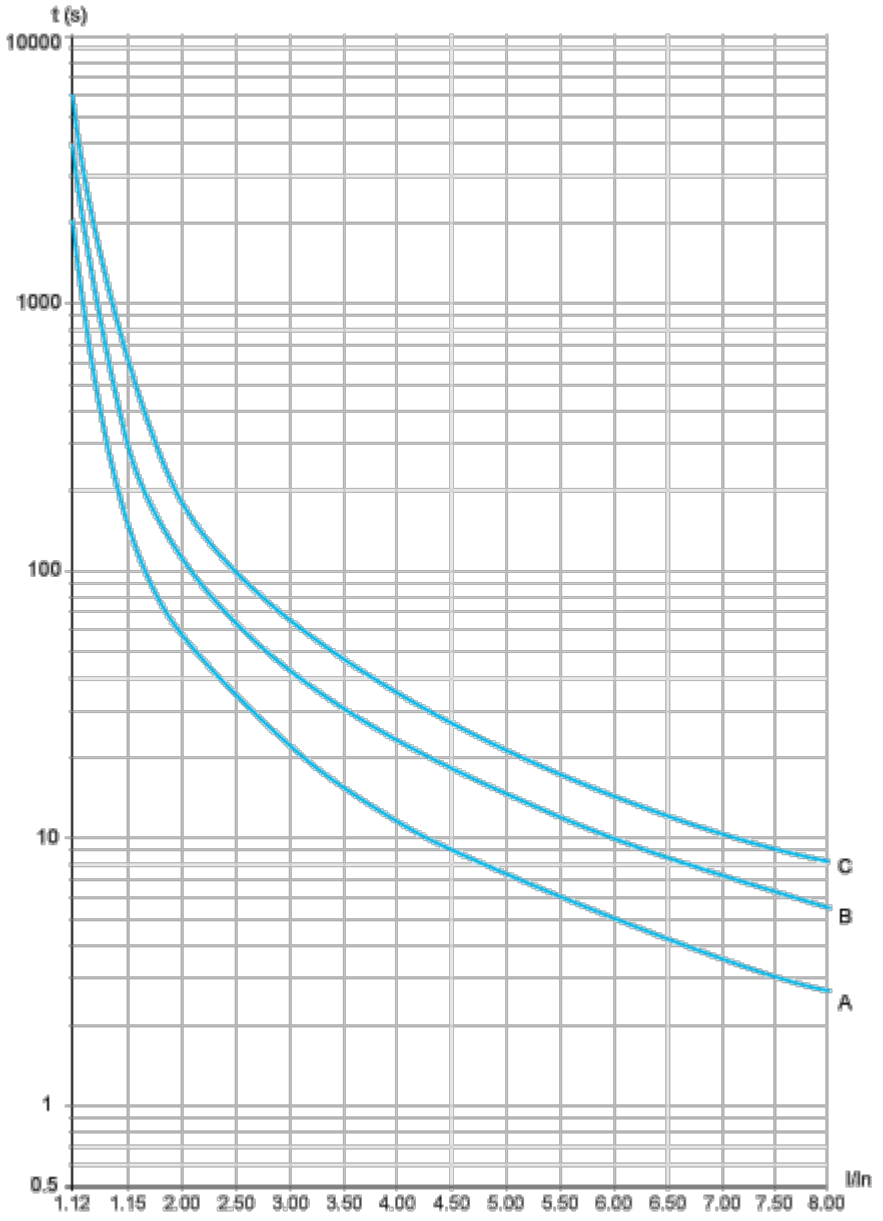
3.5 In
63 s

Trip time for a Severe Application (Class 30)

3.5 In
95 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 In
16 s

Trip time for a Severe Application (Class 20)

3.5 In

32 s

Trip time for a Severe Application (Class 30)

3.5 In
48 s

Image of product / Alternate images

Alternative