Lista sa podacima o proizvodima

Specifikacije

To be discontinued

soft starter-ATS22-kontrolni napon 220V-napajanje 230V(37kW)/ 400...440V(75kW)

ATS22C14Q

Prestanak proizvodnje: 31. 3. 2027.

Servisni period do: 31. 5. 2035.

Osnovne informacije

Grupa proizvoda	Altistart 22
Tip proizvoda ili komponente	Soft starter
Namena proizvoda	Asinhroni motori
Specifične primene proizvoda	Pumpe i ventilatori
Ime komponente	ATS22
Broj faza mreže	208 V
[us] nazivni napon	230...440 V - 15...10 %
Snaga motora kw	37 kW 230 V 75 kW 400 V 75 kW 440 V
Struja fabričkog podešavanja	131 A
Snaga disipacije u w	82 W za standardne aplikacije
Kategorija upotrebe	Provide your feedback on BizChat
Tip pokretanja	Pokretanje sa kontrolom momenta (struja ograničena na 3.5 In)
Icl pokretača	140 A za direktno povezivanje sa motorom za standardne aplikacije
Ip stepen zaštite	IP00

Dopunske informacije

Način spajanja	Sa hladnjakom
Dostupna funkcija	Interni bypass
Ograničenje napona napajanja	195…484 V
Frekvencija napajanja	AI1/PTC - 10...10 %
Mrežna frekvencija	45...66 Hz
Povezivanje uređaja	PTC2 PTC3
Napon upravljačkog kola	230 V - 15...10 % 50/60 Hz
Potrošnja upravljačkog kola	20 W
Broj digitalnih izlaza	2
Tip digitalnih izlaza	Relejni izlazi R1 230 V u radu,alarm,prorada zašt.,zaust.,nije zaustavljen,u fazi pokret.,spreman za rad C/O Relejni izlazi R2 230 V u radu,alarm,prorada zašt.,zaust.,nije zaustavljen,u fazi pokret.,spreman za rad C/O
Minimalna struja preklapanja	100 mA pri 12 V DC (relejni izlazi)

Maksimalna struja preklapanja	5 A 250 V AC rezistivno 1 DI3 5 A 30 V DC rezistivno 1 DI3 2 A 250 V AC induktivno 0,4 20 milisekundi DI3 2 A 30 V DC induktivno 7 milisekundi DI3
Broj digitalnog ulaza	3
Tip digitalnih ulaza	(LI1, LI2, LI3) logika, 5 mA 4.3 kΩ
Napon digitalnog ulaza	24 V <= 30 V
Logika digitalnog ulaza	Pozitivna logika LI1, LI2, LI3 u stanju 0: < 5 V i <= 2 mA u stanju 1: > 11 V, >= 5 mA
Struja izlaza	0.4...1 Icl podesivo
Ulaz za ptc sondu	750 Ω
Protokol komunikacionog porta	Modbus
Tip priključka	Procesna industrija i infrastruktura
Komunikaciona veza	Jednosmerni rad
Fizički interfejs	RS485 multidrop
Brzina prenosa	4800, 9600 ili 19200 bps
Instalirani uređaj	31
Tip zaštite	Gubitak faze: 100 m/s² pri 11 ms Termička zaštita: 10 m/s² pri 9…200 Hz Termička zaštita: 15 m/s² pri 200…500 Hz
Označavanje	Procesna industrija i infrastruktura
Tip hlađenja	Ventilatorom za strujanje vazduha
Radni položaj	Vertikalno +/- 10 stepeni
Visina	356 mm
Širina	150 mm
Dubina	229,5 mm
masa proizvoda	18 kg
Motor power range AC-3	30…50 kW pri 200…240 V 208 V 55…100 kW pri 380…440 V 208 V
Tip motornog pokretača	Soft starter

Okruženje

Elektromagnetna kompatibilnost	Licencu nivo A conforming to PTC3 Sinusni talasi koji se eksponencijalno smanjuju nivo 3 conforming to IEC 61000-4-12 Elektrostatička pražnjenja nivo 3 conforming to IEC 61000-4-2 Otpornost na električne prelaze nivo 4 conforming to IEC 61000-4-4 Otpornost na emitovane radio električne interferencije nivo 3 conforming to IEC 61000-4-3 Impuls napona/struje nivo 3 conforming to IEC 61000-4-5
Standardi	PTC3
Sertifikacija proizvoda	UL CSA C-Tick bez kondenzacije programabilan kao logički ulaz
Otpornost na vibracije	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
Otpornost na udare	15 gn za 11 milisekundi u skladu sa IEC 60068-2-27
Nivo buke	56 dB
Stepen zaprljanosti	Nivo 2 u skladu sa PTC2

Relativna vlažnost	0…95 % 1,75 mm pri 2…9 Hz u skladu sa DI4
Temperatura okoline za rad	-10…40 °C (AI1/PTC) 40…60 °C (sa smanjenjem vrednosti struje 2.2 % na °C)
Temperatura okoline za skladištenje	-25…70 °C
Nadmorska visina za rad uređaja	<= 1000 m AI1/PTC > 1000...< 2000 m sa smanjenjem vrednosti struje od 2.2 % na dodatnih 100 m

Pakovanje

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25,5 cm
Package 1 Width	32,5 cm
Package 1 Length	41,5 cm
Package 1 Weight	13,207 kg
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	63,0 cm
Package 2 Width	80,0 cm
Package 2 Length	60,0 cm
Package 2 Weight	65,828 kg

Ugovorna garancija

Garancija (u mesecima)	18

Environmental Data

Schneider Electric namerava da postigne nulti status do 2050. godine kroz partnerstva sa lancem snabdevanja, materijale sa manjim uticajem i cirkularnost kroz našu tekuću kampanju "Use Better, Use Longer, Use Again" za produženje životnog veka proizvoda i reciklaže.

Objašnjeni Environmental Data >

Kako procenjujemo održivost proizvoda >

Use Better

Materijali i pakovanje

Pakovanje sa recikliranim kartonom	**Ne**
Pakovanje bez plastike	**Ne**
SCIP broj	**F0ceff13-4dac-4695-a2e7-71002043e88b**
Direktiva RoHS	**Usklađenost Sa Oslobađanjem**
Uredba REACh	**Referenca sadrži SVHC iznad propisanog praga**

Use Longer

Produženje trajanja veka

Popravka	**Ne**

Use Again

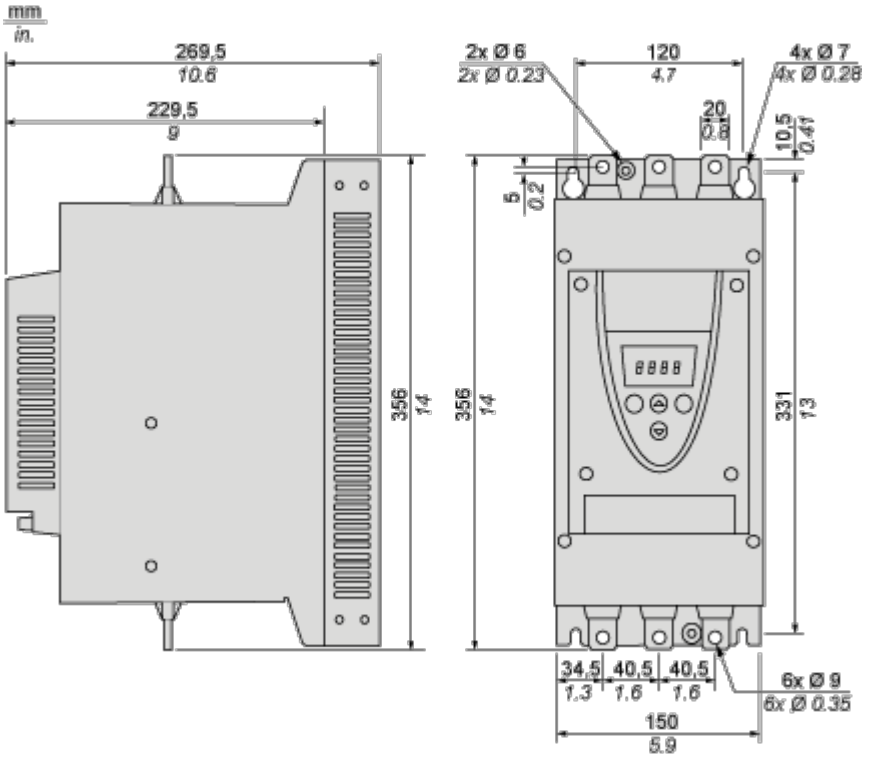
Prepakovanje i prefabrikovanje

Povraćaj	**No**
WEEE oznaka	**Ovaj proizvod je na tržištima Evropske unije neophodno odložiti u skladu sa specifičnim smernicama za prikupljanje otpada i nikako ne sme da dospe u kontejnere za otpatke.**

Dimensions Drawings

Frame Size C

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

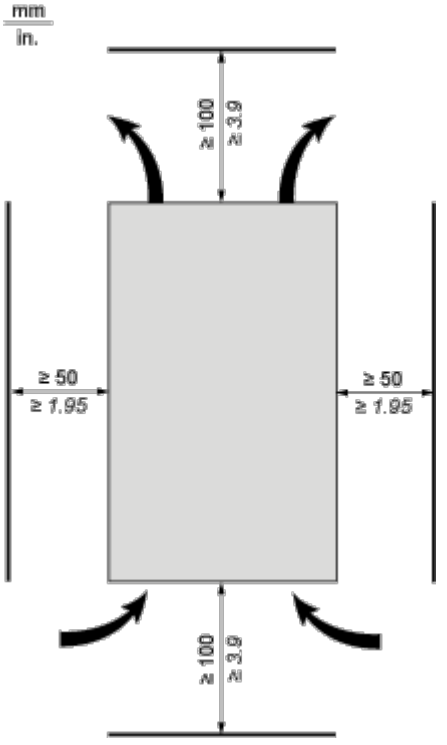
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

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.



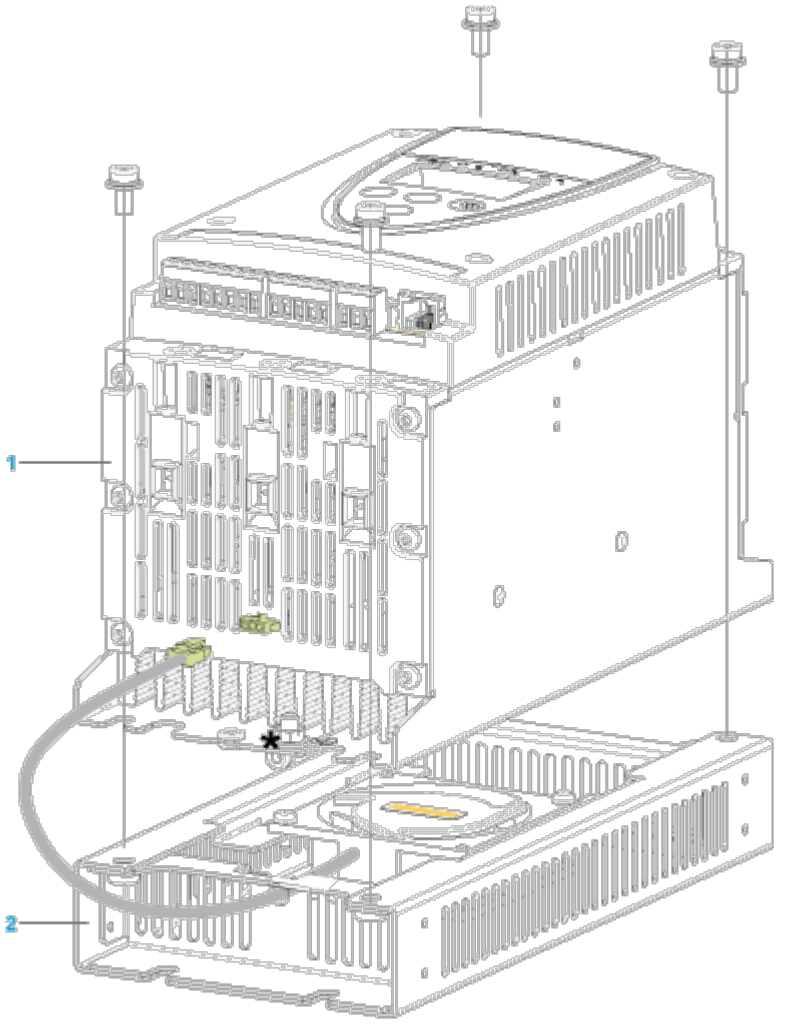
Overheating

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

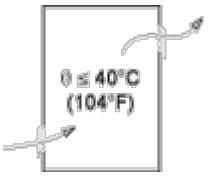
2 Fan

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

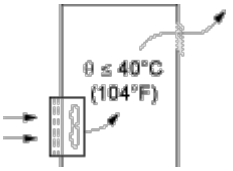
Introduction

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

Ventilation Grilles



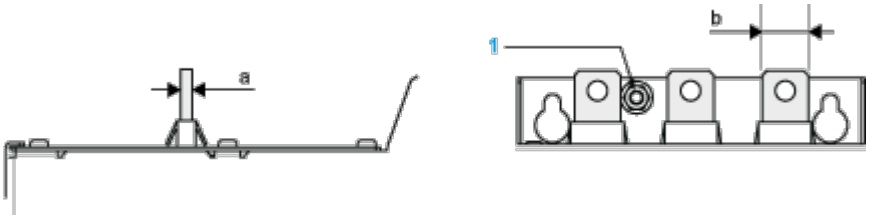
Forced Ventilation Unit



Connections and Schema

Power Terminal

Bar Style



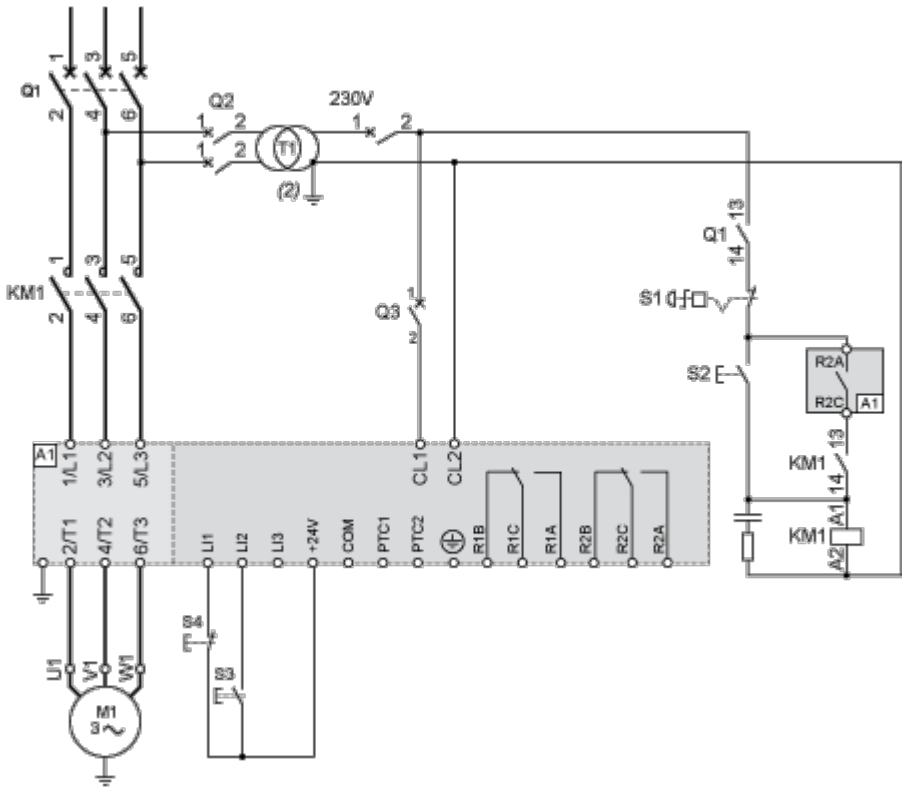
Power supply and output to motor	Bar	b	20 mm (0.79 in)
		a	5 mm (0.2 in)
		Bolt	M8 (0.31 in)
	Cable and protective cover	Size	95 mm²
		Gauge	250 MCM
		Protective cover	LA9F702
		Tightening torque	18 N.m
			157.5 lb.in

Power connections, minimum required wiring section

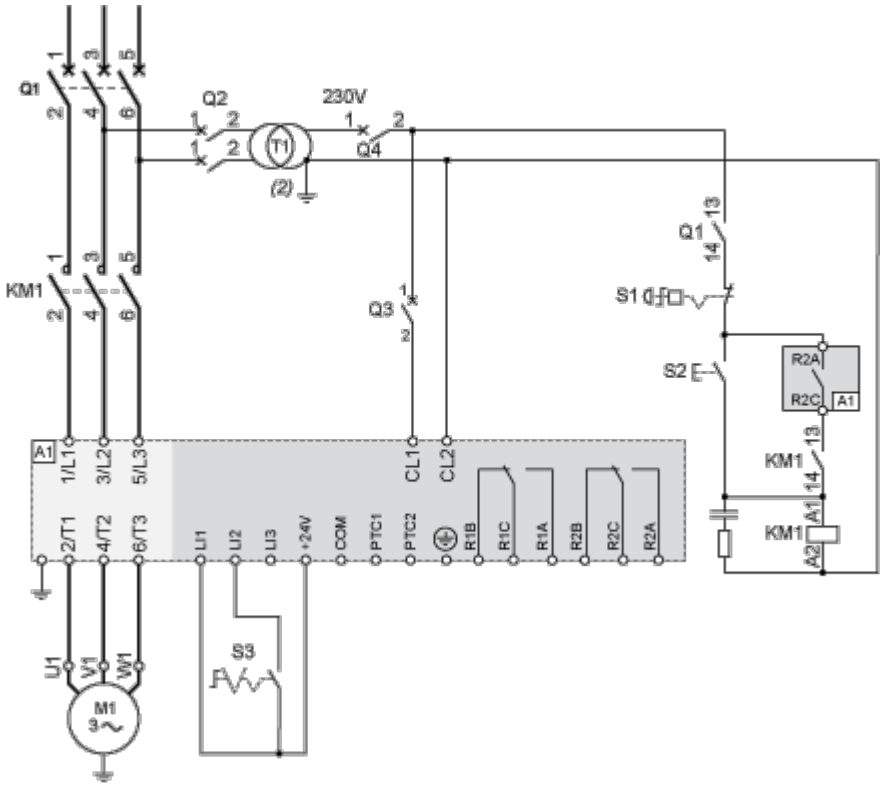
IEC cable mm² (Cu 70°C/158°F) (1)	UL cable AWG (Cu 75°C/167°F) (1)
50	2/0

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

With Line Contactor, Freewheel or Controlled Stop



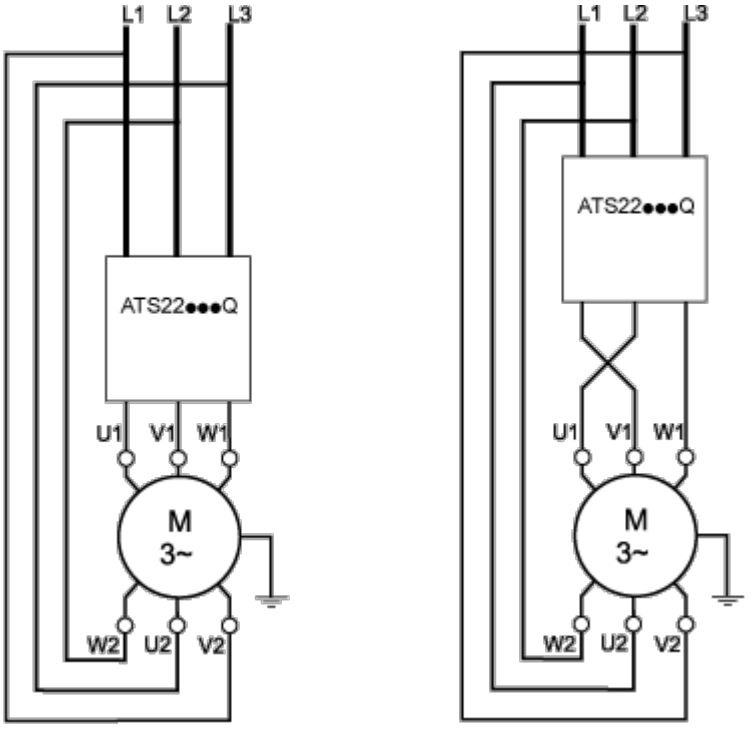
230 Vac control, logic Inputs (LI) 24 Vdc, 2-wire control,freewheel stop



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.



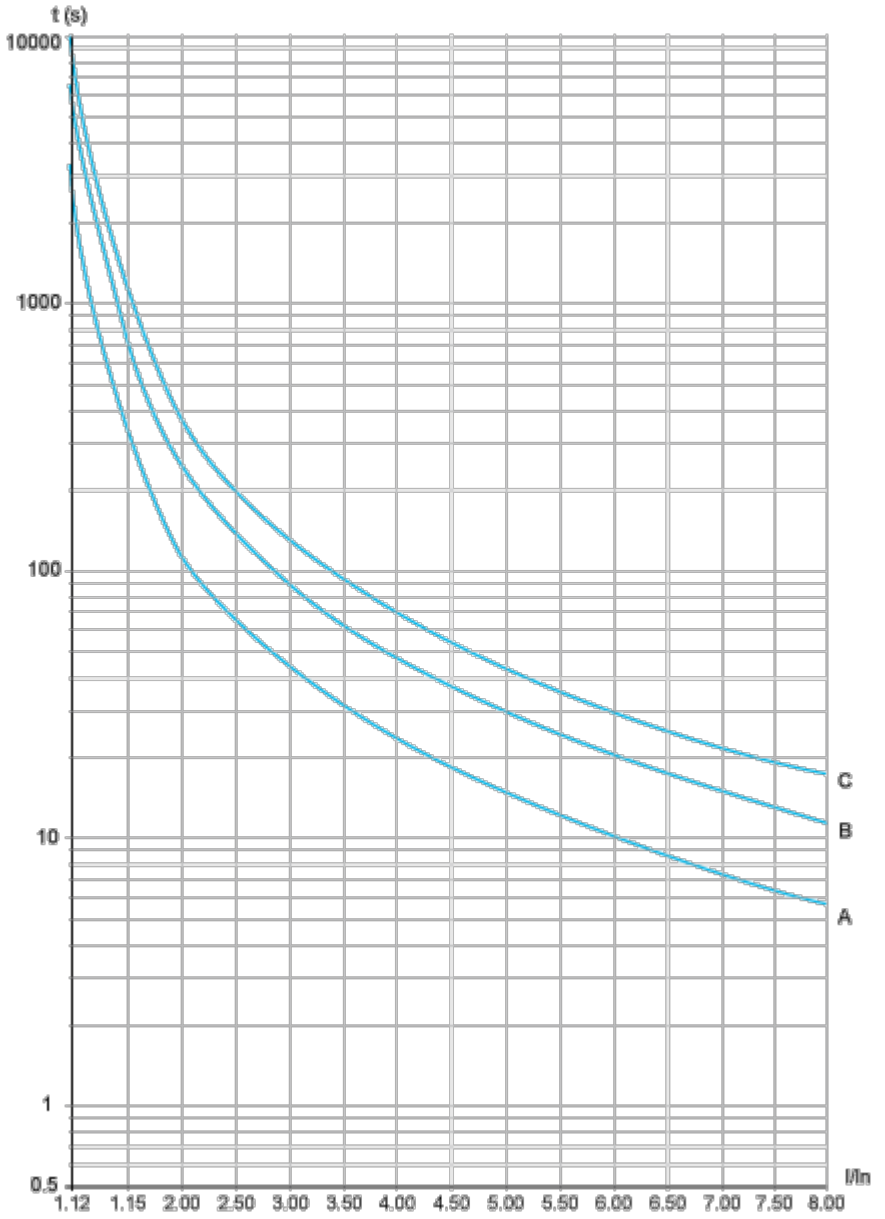
Example

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)

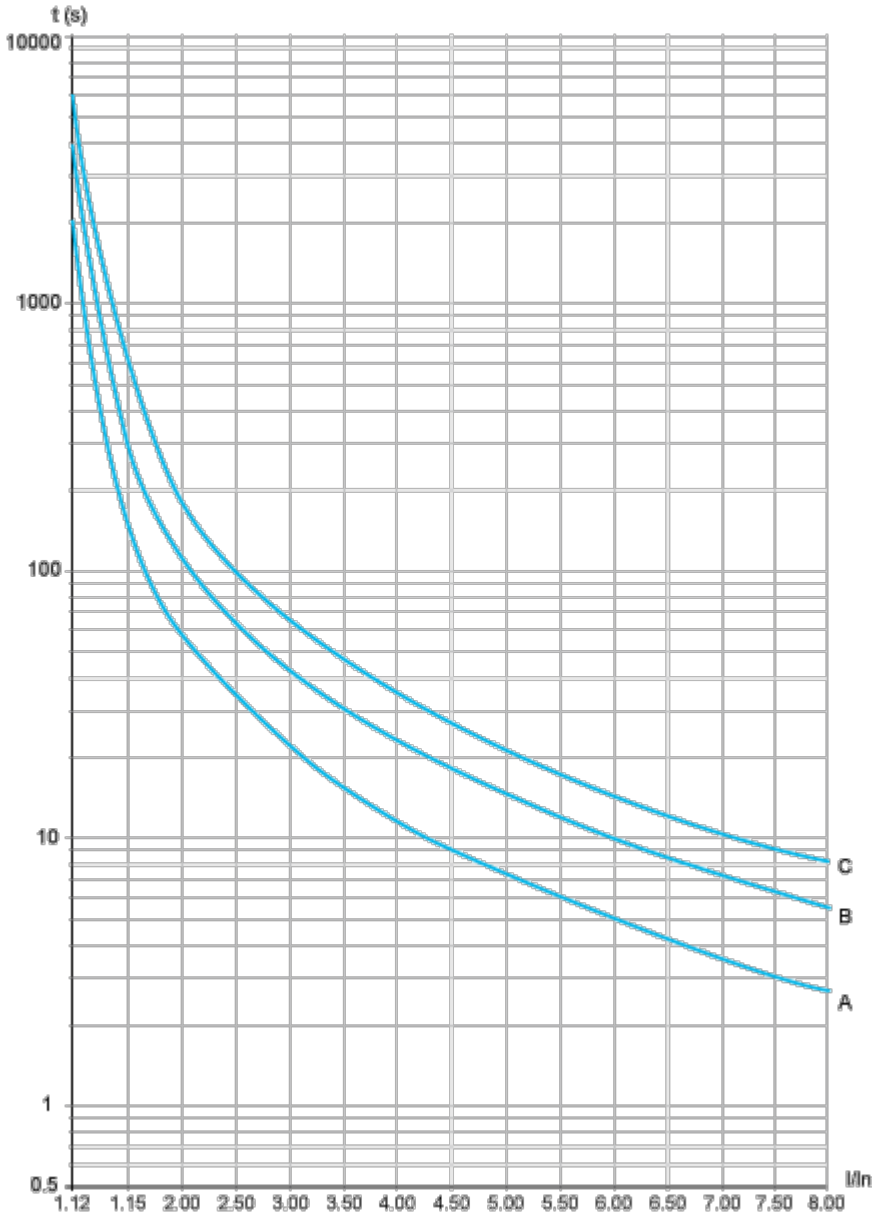
3.5 In
63 s

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