

## Speed starter - CSS 1.5-3/3-EMC - 1201696

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Speed starter with soft start and configurable speed for starting and reversing motors up to 480 V AC and 1.5 kW, configurable motor protection, STO function up to SIL 3 / PL e, Push-in connection, three-phase load input, with integrated EMC filter

**RoHS**

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 265625
GTIN	4063151265625
Custom tariff number	85371098
Country of origin	Taiwan

### Technical data

#### Dimensions

Width	45 mm
Height	210 mm
Depth	209.7 mm
Length	≤ 30 m (Motor cable length (EMC compliance category C3))
	≤ 50 m (Motor cable length (no EMC compliance))

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C (without current derating)
	-20 °C ... 60 °C (with linear current derating)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Maximum altitude	≤ 2000 m
	> 2000 m (with derating)

# Speed starter - CSS 1.5-3/3-EMC - 1201696

## Technical data

### Ambient conditions

Permissible humidity (operation)	90 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)
Degree of protection	IP20
	NEMA 1
Vibration (operation)	0,075 mm / 1g
Shock (operation)	15g, 11 ms

### Input

Designation	Mains
Number of phases	3
Input voltage	380 V AC
	400 V AC
	480 V AC
Input voltage range	220 V AC ... 480 V AC -15 % ... +10 %
Frequency range	47 Hz ... 63 Hz
Nominal current	4.2 A (no line reactor)
	3.8 A (with line reactor)

### Output

Nominal motor power	1.5 W
Apparent power	2.7 kVA
Nominal output current (I <sub>N</sub> )	3.9 A (4 kHz)
	2.8 A (8 kHz)
	1.6 A (16 kHz)
Output frequency	0 Hz ... 500 Hz
Power dissipation	51 W (2 kHz)
	59 W (4 kHz)
	56 W (8 kHz)
	54 W (16 kHz)
	9 W (stand by)
Output current	≤ 5.85 A (180 s)
	≤ 2.925 A (180 s, during recovery time)
	≤ 7.02 A (15 s)
	≤ 1.95 A (15 s, during recovery time)
Recovery time	150 s (180 s)
	12 s (15 s)
Overload time	30 s (180 s)
	3 s (15 s)

# Speed starter - CSS 1.5-3/3-EMC - 1201696

## Technical data

### Output

Discharge time	3 min. (Intermediate circuit capacitors)
----------------	--

### General

Cooling	Fan
EMC filter present	yes
Number of phases	3

### Standards and Regulations

Standards/regulations	IEC 61800-5-1
	IEC 61800-3
Pollution degree	2
Vibration (operation)	0,075 mm / 1g
Shock (operation)	15g, 11 ms

### Conformance/approvals

Designation	Safety Integrity Level (SIL, IEC 61800-5-2)
Identification	3
Designation	Performance Level (EN ISO 13849)
Identification	e

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 25;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

eCl@ss 9.0	27142320
eCl@ss 11.0	27142320

## Approvals

### Approvals

#### Approvals



UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

# Speed starter - CSS 1.5-3/3-EMC - 1201696

## Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 322526
cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 322526
cULus Listed			

## Accessories

### Accessories

#### Assembly adapter

#### Power distribution board - EM-CPS-225 - 1002634



Modular power distribution board with CrossLink® interface, 125 A, 3-pos., touch-proof and protection against polarity reversal, width: 225 mm

#### Power distribution board - EM-CPS-405 - 1002635



Modular power distribution board with CrossLink® interface, 125 A, 3-pos., touch-proof and protection against polarity reversal, width: 405 mm

## Speed starter - CSS 1.5-3/3-EMC - 1201696

### Accessories

Connection module - EM-CPS-TB3/63A - 1002633



Connection module with integrated spring-loaded terminals for cables from 1.5 to 16 mm<sup>2</sup>, 3-pos., maximum 63 A

---

Connection module - EM-CPS-TB3/125A - 1070299



Connection module with box terminals for conductors from 6 to 50 mm<sup>2</sup>, 3-pos., maximum 125 A

---

### Fan

Fan - EM-CSS-FAN-45 - 1276912



Replaceable fan for 45 mm wide CONTACTRON Speed Starters

---

### Shroud

Shield connection - EM-CSS-MOTORSHIELD-45 - 1276916



Shroud for motor lines for 45 mm wide CONTACTRON Speed Starters

---

Shield connection - EM-CSS-CONTROLSHIELD-45 - 1276909



Shroud for control lines for 45 mm wide CONTACTRON Speed Starters

# Speed starter - CSS 1.5-3/3-EMC - 1201696

## Accessories

---

Phoenix Contact 2021 © - all rights reserved  
<http://www.phoenixcontact.com>

单击下面可查看定价，库存，交付和生命周期等信息

[>>Phoenix Contact\(菲尼克斯\)](#)