

CSS 1.5-3/3-EMC - Speed starter



1201696

<https://www.phoenixcontact.com/de/produkte/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 documentation. Our General Terms of Use for Downloads are valid.



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

Commercial Data

Item number	1201696
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	G1 - Relais
Product Key	CK7322
GTIN	4063151265625
Weight per Piece (including packing)	1.466 g
Weight per Piece (excluding packing)	1.466 g
Customs tariff number	85371098
Country of origin	CN

Technical Data

Product properties

Product type	Speed starter
Product family	CONTACTRON
Operating elements	Push button
	Rotary switch

Insulation characteristics

Pollution degree	2
------------------	---

Electrical properties

Number of phases	3
------------------	---

Input data

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 data

Analog

Nominal motor power	1.5 kW
Apparent power	2.7 kVA
Nominal output current (I_N)	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)

CSS 1.5-3/3-EMC - Speed starter



1201696

<https://www.phoenixcontact.com/de/produkte/1201696>

	12 s (15 s)
Overload time	30 s (180 s)
	3 s (15 s)
Discharge time	3 min. (Intermediate circuit capacitors)

Switching

Output name	Relay output
Contact switching type	1 changeover contact
Maximum switching voltage	125 V AC
	30 V DC
Maximum inrush current	3 A
Inrush current, minimum	10 mA (5 V DC)

Connection data

Power-level terminals

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	0.2 mm ² ... 6 mm ²
Conductor cross section flexible	0.2 mm ² ... 6 mm ²
	0.2 mm ² ... 4 mm ² (with ferrule)
Conductor cross section AWG	24 ... 10

Control terminals

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	0.2 mm ² ... 1.5 mm ² (with ferrule)
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
	0.2 mm ² ... 0.75 mm ²
Conductor cross section AWG	24 ... 16

Dimensions

Drill hole

Diameter	5.5 mm
Width	45 mm
Height	210 mm
Depth	210 mm
Length	≤ 30 m (Motor cable length (EMC compliance category C3))
	≤ 50 m (Motor cable length (no EMC compliance))

Environmental and real-life conditions

Ambient conditions

Degree of protection (IP)	IP20
Degree of protection (NEMA)	NEMA 1
Ambient temperature (operation)	-20 °C ... 55 °C (without current derating)

CSS 1.5-3/3-EMC - Speed starter



1201696

<https://www.phoenixcontact.com/de/produkte/1201696>

	-20 °C ... 60 °C (with linear current derating)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Altitude	≤ 2000 m
	> 2000 m (with derating)
Permissible humidity (operation)	90 % (non-condensing)
Permissible humidity (storage/transport)	95 % (non-condensing)
Shock (operation)	15g, 11 ms
Vibration (operation)	0,075 mm / 1g
Air pressure (operation)	86 kPa ... 106 kPa
Air pressure (storage/transport)	70 kPa ... 106 kPa

Approvals

Safety Integrity Level (SIL, IEC 61800-5-2)

Identification	3
----------------	---

Performance Level (EN ISO 13849)

Identification	e
----------------	---

Category (ISO 13849)

Identification	4
----------------	---

Standards and regulations

Standards/regulations	IEC 61800-5-1
	IEC 61800-3

Mounting

Mounting type	DIN rail mounting
	Wall mounting

CSS 1.5-3/3-EMC - Speed starter





1201696

<https://www.phoenixcontact.com/de/produkte/1201696>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/de/produkte/1201696>

 **UL Listed**
Approval ID: FILE E 322526

 **cUL Listed**
Approval ID: FILE E 322526

cULus Listed

CSS 1.5-3/3-EMC - Speed starter



1201696

<https://www.phoenixcontact.com/de/produkte/1201696>

Classifications

ECLASS

ECLASS-11.0	27142320
ECLASS-12.0	27142320
ECLASS-13.0	27142320

ETIM

ETIM 8.0	EC000256
----------	----------

UNSPSC

UNSPSC 21.0	26111500
-------------	----------

CSS 1.5-3/3-EMC - Speed starter



1201696

<https://www.phoenixcontact.com/de/produkte/1201696>

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 25; For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
------------	---

CSS 1.5-3/3-EMC - Speed starter

1201696

<https://www.phoenixcontact.com/de/produkte/1201696>



Accessories

EM-CSS-MOTORSHIELD-45 - Shield connection

1276916

<https://www.phoenixcontact.com/de/produkte/1276916>

Shroud for motor lines for 45 mm wide CONTACTRON Speed Starters



EM-CPS-DA-45C-CSS - Adapter

1282859

<https://www.phoenixcontact.com/de/produkte/1282859>

Adapter for CONTACTRON Speed Starter for direct mounting on the CrossPowerSystem power distribution board



CSS 1.5-3/3-EMC - Speed starter

1201696

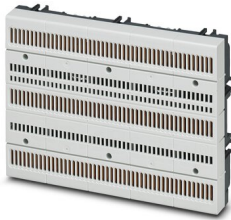
<https://www.phoenixcontact.com/de/produkte/1201696>



EM-CPS-225 - Power distribution board

1002634

<https://www.phoenixcontact.com/de/produkte/1002634>

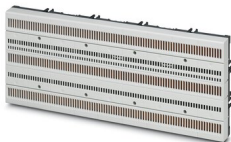


Modular power distribution board with CrossLink[®] interface, 125 A, 3-pos., touch-proof and protection against polarity reversal, width: 225 mm

EM-CPS-405 - Power distribution board

1002635

<https://www.phoenixcontact.com/de/produkte/1002635>



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

CSS 1.5-3/3-EMC - Speed starter

1201696

<https://www.phoenixcontact.com/de/produkte/1201696>

EM-CPS-TB3/63A - Connection module

1002633

<https://www.phoenixcontact.com/de/produkte/1002633>



Connection module with integrated spring-loaded terminals for cables from 1.5 to 16 mm², 3-pos., maximum 63 A

EM-CPS-TB3/125A - Connection module

1070299

<https://www.phoenixcontact.com/de/produkte/1070299>



Connection module with box terminals for conductors from 6 to 50 mm², 3-pos., maximum 125 A

CSS 1.5-3/3-EMC - Speed starter

1201696

<https://www.phoenixcontact.com/de/produkte/1201696>



EM-CSS-CONTROLSHIELD-45 - Shield connection

1276909

<https://www.phoenixcontact.com/de/produkte/1276909>

Shroud for control lines for 45 mm wide CONTACTRON Speed Starters



EM-CSS-FAN-45 - Fan

1276912

<https://www.phoenixcontact.com/de/produkte/1276912>

Replaceable fan for 45 mm wide CONTACTRON Speed Starters



Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstraße 8
D-32825 Blomberg
+49 52 35/3-1 20 00
info@phoenixcontact.de