

# CSS 0.37-3/3-EMC - Speed starter

1201825

<https://www.phoenixcontact.com/us/products/1201825>



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Speed starter with soft start and configurable speed for starting and reversing motors up to 480 V AC and 0.37 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	1201825
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C473
Product Key	CK7321
GTIN	4063151265250
Weight per Piece (including packing)	1,251.6 g
Weight per Piece (excluding packing)	1,250 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
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### Electrical properties

Number of phases	3
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### 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	1.7 A (no line reactor)
	1.5 A (with line reactor)

### Output data

#### Analog

Nominal motor power	0.37 kW
Apparent power	1 kVA
Nominal output current ( $I_N$ )	1.5 A (4 kHz)
	1.1 A (8 kHz)
	0.6 A (16 kHz)
Output frequency	0 Hz ... 500 Hz
Power dissipation	19 W (2 kHz)
	23 W (4 kHz)
	23 W (8 kHz)
	22 W (16 kHz)
	9 W (stand by)
Output current	$\leq 2.25$ A (180 s)
	$\leq 1.125$ A (180 s, during recovery time)
	$\leq 2.7$ A (15 s)
	$\leq 0.75$ A (15 s, during recovery time)
Recovery time	150 s (180 s)

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	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 <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup> (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 <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Conductor cross section AWG	24 ... 16

## Dimensions

### Drill hole

Diameter	5.5 mm
Width	35 mm
Height	210 mm
Depth	195 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)

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	-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
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Performance Level (EN ISO 13849)

Identification	e
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Category (ISO 13849)

Identification	4
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## Standards and regulations

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

## Mounting

Mounting type	DIN rail mounting
	Wall mounting


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1201825

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## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1201825>



**UL Listed**

Approval ID: FILE E 322526



**cUL Listed**

Approval ID: FILE E 322526

**cULus Listed**

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC000256
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### UNSPSC

UNSPSC 21.0	26111500
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## Environmental Product Compliance

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

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)