

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

**RoHS**

### Key Commercial Data

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit         | 1 pc                                                                                                    |
| GTIN                 | <br>4 063151 265250 |
| GTIN                 | 4063151265250                                                                                           |
| Custom tariff number | 85371098                                                                                                |
| Country of origin    | Taiwan                                                                                                  |

### Technical data

#### Dimensions

|        |                                                          |
|--------|----------------------------------------------------------|
| Width  | 35 mm                                                    |
| Height | 210 mm                                                   |
| Depth  | 194.7 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)                        |

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## 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     | 1.7 A (no line reactor)               |
|                     | 1.5 A (with line reactor)             |

### Output

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Nominal motor power              | 0.37 W                                       |
| 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)                                |
|                                  | 12 s (15 s)                                  |
| Overload time                    | 30 s (180 s)                                 |
|                                  | 3 s (15 s)                                   |

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## 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 0.37-3/3-EMC - 1201825

### Approvals

#### Approval details

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 322526

cUL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

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

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### 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

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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

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### Fan

Fan - EM-CSS-FAN-35 - 1276911



Replaceable fan for 35 mm wide CONTACTRON Speed Starters

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### Shroud

Shield connection - EM-CSS-MOTORSHIELD-35 - 1276914



Shroud for motor lines for 35 mm CONTACTRON Speed Starters

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Shield connection - EM-CSS-CONTROLSHIELD-35 - 1276904



Shroud for control lines for 35 mm wide CONTACTRON Speed Starters

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### Accessories

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