

Speed starter - CSS 0.75-1/3-EMC - 1201613


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Speed starter with soft start and configurable speed for starting and reversing motors up to 480 V AC and 0.75 kW, configurable motor protection, STO function up to SIL 3 / PL e, Push-in connection, single-phase load input, with integrated EMC filter

RoHS

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 063151 265779 |
| GTIN | 4063151265779 |
| Weight per Piece (excluding packing) | 1,460.000 g |
| Custom tariff number | 85371098 |
| Country of origin | Taiwan |

Technical data

Dimensions

| | |
|--------|--|
| Width | 45 mm |
| Height | 210 mm |
| Depth | 189.7 mm |
| Length | ≤ 20 m (Motor cable length (EMC compliance category C2)) |
| | ≤ 20 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 |

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Ambient conditions

| | |
|--|--------------------------|
| Maximum altitude | ≤ 2000 m |
| | > 2000 m (with derating) |
| 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 | 1 |
| Input voltage | 230 V AC |
| | 240 V AC |
| Input voltage range | 110 V AC ... 240 V AC -15 % ... +10 % |
| Frequency range | 47 Hz ... 63 Hz |
| Nominal current | 9.1 A (no line reactor) |
| | 8.3 A (with line reactor) |

Output

| | |
|--|---|
| Nominal motor power | 0.75 kW |
| Apparent power | 1.7 kVA |
| Nominal output current (I _N) | 4.3 A (4 kHz) |
| | 3.5 A (8 kHz) |
| | 2.4 A (16 kHz) |
| Output frequency | 0 Hz ... 500 Hz |
| Power dissipation | 38 W (2 kHz) |
| | 43 W (4 kHz) |
| | 41 W (8 kHz) |
| | 39 W (16 kHz) |
| | 9 W (stand by) |
| Output current | ≤ 6.45 A (180 s) |
| | ≤ 3.225 A (180 s, during recovery time) |
| | ≤ 7.74 A (15 s) |
| | ≤ 2.15 A (15 s, during recovery time) |
| Recovery time | 150 s (180 s) |
| | 12 s (15 s) |
| Overload time | 30 s (180 s) |

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Output

| | |
|----------------|--|
| | 3 s (15 s) |
| Discharge time | 3 min. (Intermediate circuit capacitors) |

General

| | |
|--------------------|-----|
| Cooling | Fan |
| EMC filter present | yes |
| Number of phases | 1 |

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

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Approvals

Ex 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 mm², 3-pos., maximum 63 A

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



Connection module with box terminals for conductors from 6 to 50 mm², 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

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Accessories

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