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

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

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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)

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

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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

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

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

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

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

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

Accessories

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