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Project 03CA29602

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REPORT
ON
POWER CONVERSION EQUIPMENT

ABB Oy Drives
Helsinki, Finland

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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Open Type Power Conversion Equipment, Type ACS50; followed by 01; followed by N or E; followed by 01, 02, 04 07 or 09; followed by A2, A3, A4, A6 or A8; followed by 1 or 2. Listed accessories - External EMC Filter option ACS50-IFAB-01

GENERAL:

These devices are open type drives that supply power to control a motor at frequency different than that of the input supply.

RATINGS:

Electrical -

Model	Input	Output	Frame Size
ACS50-01N-02A2-1	120Vac, 9.5A, 1 phase 50/60Hz	240 Vac, 2.2A, 3phase 0-130 Hz	A
ACS50-01N-01A4-1	120Vac, 6.4A, 1 phase 50/60Hz	240 Vac, 1.4A, 3phase 0-130 Hz	A
ACS50-01E-02A2-1	120Vac, 9.5A, 1 phase 50/60Hz	240 Vac, 2.2A, 3phase 0-130 Hz	A
ACS50-01E-01A4-1	120Vac, 6.4A, 1 phase 50/60Hz	240 Vac, 1.4A, 3phase 0-130 Hz	A
ACS50-01E-02A2-2	240Vac, 6.9A, 1 phase 50/60Hz	240Vac, 2.2A, 3phase 0-130 Hz	A
ACS50-01E-01A4-2	240Vac, 4.4A, 1 phase 50/60Hz	240Vac, 1.4A, 3phase 0-130 Hz	A
ACS50-01N-02A2-2	240Vac, 6.9A, 1 phase 50/60Hz	240Vac, 2.2A, 3phase 0-130 Hz	A
ACS50-01N-01A4-2	240Vac, 4.4A, 1 phase 50/60Hz	240Vac, 1.4A, 3phase 0-130 Hz	A
ACS50-01N-04A3-2	240Vac, 10.8A, 1 phase 50/60Hz	240Vac, 4.3A, 3phase 0-130 Hz	B
ACS50-01E-04A3-2	240Vac, 10.8A, 1 phase 50/60Hz	240Vac, 4.3A, 3phase 0-130 Hz	B
ACS50-01N-07A6-2	240Vac, 18.2A, 1 phase 50/60Hz	240Vac, 7.6A, 3phase 0...130Hz	C
ACS50-01N-09A8-2	240Vac, 22 A, 1 phase 50/60Hz	240Vac, 9.8A, 3phase 0...130Hz	C
ACS50-01E-07A6-2	240Vac, 18.2A, 1 phase 50/60Hz	240Vac, 7.6A, 3phase 0...130Hz	D
ACS50-01E-09A8-2	240Vac, 22 A, 1 phase 50/60Hz	240Vac, 9.8A, 3phase 0...130Hz	D

Special accessories for ACS50 -
External EMC filter option: ACS50-IFAB-01
Potentiometer unit: ACS50-POT
Input Choke Option:

Environmental - Open Type

Surrounding Air Temperature - 40°C maximum at rated current

DRIVE NOMENCLATURE

ACS50-01 - I - II - III

Basic Model Number
ACS50-01

I = EMC FILTER
E- Built In
N - No

II = Max continuous output current
01A4 = 1.4A
02A2 = 2.2A
04A3 = 4.3A
07A6 = 7.6 A
09A8 = 9.8 A

III = Supply Voltage
1 = 110-120Vac
2 = 200-240Vac