DANFOSS iC2 MICRO DRIVE



DESCRIPTION

The iC2-Micro drive is designed for applications where simplicity and efficiency are essential. Its compact footprint makes installation easy in space-constrained environments, while features such as permanent magnet motor support, operation in ambient temperatures up to 50°C, and integrated PID control provide enhanced flexibility and performance.

Features

- Basic interface with quick menu and easy configuration.
- Designed for high-density, side-by-side mounting.
- Coated PCB (printed circuit boards) to restrict dust penetration.
- Built-in RFI filters to remove electromagnetic interference and lower harmonic levels.
- Demand-controlled fan-cooled heat sink (including brake chopper) allows the iC2 to be installed in confined spaces
- A range of inbuilt functions specifically developed to save energy and create an effective environmental control system.
- Compatible with both induction and permanent magnet motors
- IP20 class protection enclosure
- Up to 50°C ambient temperature.

Typical Applications

Commercial supply or exhaust air fan applications such as factories, warehouses, commercial kitchens, retail outlets.

Special Note

A decentralised control panel can be ordered separately:

IC2-132G0234

Electrical Supply

200–240V, single-phase, 50/60Hz

380–480V, three-phase, 50/60Hz

Testing

Harmonics Standard EN 61000-3-12
EMC Standard EN/IEC 61800-3

(C1 & C2 – cable length restrictions apply)

Standard I/O

5 x Digital Inputs
1 x Digital Output
2 x Analogue Inputs, 0-10V or 0/4-20mA
1 x Analogue Outputs 0/4-20mA
1 x Relay Output

Fieldbus communication

Modbus RTU
FC Protocol

TECHNICAL DATA

Part Number	Input / Output	Motor kW	Amps @ 40°C	Frame Size	Dimensions, mm	Protection Class
IC2-132L6110	1-Phase	0.37	2.2	MA01c	70W x 150H x 143D	IP20
IC2-132L6111		0.75	4.2			
IC2-132L6112		1.5	6.8	MA02c	75W x 176H x 157D	
IC2-132L6115		2.2	9.6	MA02a	75W x 186H x 175D	
IC2-132L6128	3-Phase	0.37	1.2	MA01a	70W x 150H x 158D	
IC2-132L6129		0.75	2.2			
IC2-132L6130		1.5	3.7			
IC2-132L6131		2.2	5.3	MA02a	75W x 186H x 175D	
IC2-132L6132		3.0	7.2			
IC2-132L6133		4.0	9.0			
IC2-132L6134		5.5	12.0	MA03a	90W x 238.5H x 200D	
IC2-132L6135		7.5	15.5			
IC2-132L6136		11.0	23.0	MA04a	125W x 292H x 244.5D	
IC2-132L6137		15.0	31.0			
IC2-132L6138		18.5	37.0	MA05a	165W x 335H x 248D	
IC2-132L6139		22.0	43.0			

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