

QUICK GUIDE U100HL-024KA-4



DESCRIPTION

Compact vacuum and pressure blower with an efficient motor, all-aluminum housing, IP67, integrated electronics, M16 connector, G3/4 inch pipe thread and 32 mm hose connection.

OPERATING MANUAL

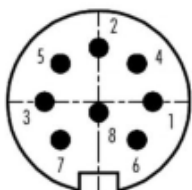
Link to the complete operating manual of U100HL-024KA-4:

› www.micronel.com/service-navi/download/operating-manuals

The complete operating manual:

- › Must be read and understood in full by the operating and maintenance personnel of the U100HL-024KA-4 prior to beginning any work with or on it.
- › Must be strictly adhered to.
- › Must be available at the location the U100HL-024KA-4 is used.
- › Contains instructions for the transportation, installation, initial operation, operation, servicing, decommissioning, and storage of the U100HL-024KA-4.

PIN ASSIGNMENT



Plug M16 / 8-pin
Binder Series 423

Function	Pin	Description
+24VDC	1	Parallel connection of both pins together (shares current draw over 2 x conductors)
	4	
GND	2	Parallel connection of both pins together (shares current draw over 2 x conductors)
	8	
Tacho / FG	3	Speed/RPM signal
Set Speed	5	Speed/RPM control signal
NTC+	6	Temperature-dependent resistance
NTC-	7	

WARNING

- › Risk of injuries and product damage due to improper handling.
- › Carefully read and understand the operating manual prior to initial operation.
- › Hazard due to ejected parts!
- › Ensure that no foreign objects can enter the fan.
- › Ensure that media conveyed into the surrounding environment do not discharge near people.
- › Do not insert objects through the opening into the blower.
- › Work on electrical devices must only be conducted by qualified and authorized electricians!

CAUTION

- › Hair can be sucked in by the flow and become coiled around the impeller.
- › Hair should not be worn down and untied! Use a hair net!
- › Risk of cutting and crushing when reaching into the rotating fan impeller.
- › Only operate the blower with pipelines connected to the suction and pressure ports/ discharge nozzles!
Even when operating with an open suction port, a piece of pipe or hose with a length of at least 12 cm must be connected to prevent fingers from reaching the impeller. Only remove connections to the suction and pressure ports after safely disconnecting from the power supply. Observe the stopping time of the impeller!
- › Burns due to touching the hot surface of the blower are possible!
- › Do not touch the housing during operation. A protective device against accidental contact must be provisioned.

NOTE

- › Opening the housing of the U100HL-024KA-4 will void the manufacturer warranty!
- › The U100HL-024KH-4 is maintenance-free. Do not open the housing.
- › Inherent and external vibrations can loosen the fixation of the U100HL-024KA-4. Use components secured against loosening.
- › Motor bearing damage due to infiltrating particles or moisture.
- › Connect a filter upstream on the suction side in the event of contaminated air.
- › Risk of overheating due to impeding natural convection.
- › The U100HL-024KA-4 is passively cooled. Observe the permissible housing temperature.
- › Maintain a minimum distance of respectively 60 mm on each side for heat dissipation and cool air supply.
- › Overheating through insufficient passive cooling due to a contaminated housing.
- › Remove dust deposits regularly. When cleaning the surface with compressed air, protect the intake and pressure port against incoming dust, as otherwise particles can infiltrate into the bearings.
- › Transport, assembly, and disassembly only through trained and qualified personnel!