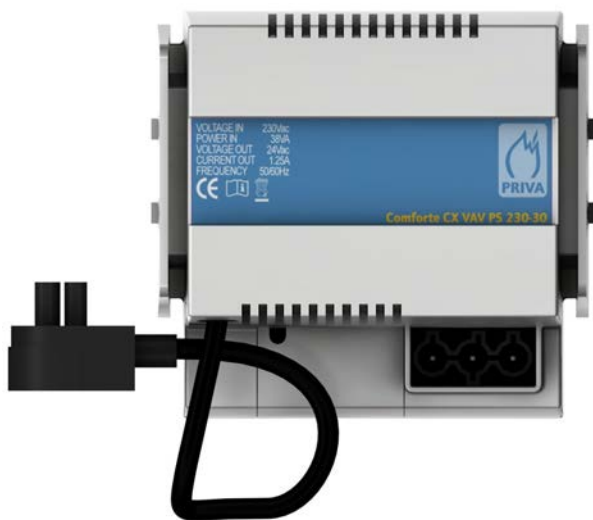# > COMFORTE CX VAV POWER SUPPLY PS230-30
Comforte line

Part of the Comforte line
The power supply module is part of the Comforte line and delivers a stable 24 VAC supply to the connected Comforte modules and sensors. The power supply module is specifically designed for the Comforte CX **VAV** and Comforte CX2 **VAV** base modules and cannot be used for the Comforte CX and Comforte CX2 base modules.

System design
The Comforte VAV comprises three components: a base module with integrated pressure difference sensor with automatic zero-point correction, a damper servomotor and a power supply module for connection to 230 VAC. Thanks to the modular construction, the damper servomotor and/or power supply module can be linked on both the left or the right and connected to the base module using the standard plug.

Comforte VAV range

Name	Description
Comforte CX VAV Base Module	module with processor, memory, communication and I/O on the main circuit board
Comforte CX2 VAV Base Module	
Comforte CX VAV power supply module PS230-30 (GST/SC)	module for 24 VAC power supply to base module, actuator and any I/O modules and sensors
Roombus power supply module PS230-30-15RE (GST/terminal block)	module for: • 24 VAC power supply to base module, I/O modules and any sensors and actuators • 24 VDC power supply and neutral point connection of Roombus devices
Comforte CX VAV Actuator AC-5	module for opening/closing damper
Comset CX	Operating unit

ℹ️ You can connect the I/O modules from the Comforte to the Comforte VAV Base Module.

General specifications Comforte VAV-line

Housing	
Material	plastic
Colour	light grey / dark grey
IEC protection class	I (basic insulation with earth cable)
IP code	IP20 (NEN-EN-IEC 60529)
Flammability	V0
Recycle code	7
Installation	on air duct using 2x M3x30 self-tapping screws in an enclosed switch box, distribution box, above a suspended ceiling or in a public space

Environment	
Permitted ambient temperature during normal operation	0 – 45 ºC
Permitted temperature during transport and storage	-20 – 70 ºC
Permitted relative ambient humidity	80 % at T <= 30 ºC, decreasing linearly to 50 % at T = 40 ºC (non condensing)
Maximum installation height	2000 metres above sea level
Installation category	II
Permitted ambient pollution	pollution degree 2

Legislation and standards	
EC Declaration of Conformity	The Comforte VAV is in accordance with the following directives and associated standards and normative documents.
	Low voltage directive 2006/95/EC: • EN 61010-1 (2001) • EN 60950-1 (2006)
	EMC directive 2004/108/EC: • Emission: EN 61000-6-3 (2007) • Emission: EN 61000-3-2 (2006) • Emission: EN 61000-3-3 (1995) + A1 (2001) + A2 (2005) • Immunity: EN 61000-6-2 (2005) • WEEE directive 2012/19/EU • RoHS directive 2011/65/EU
	A copy of the EC Declaration of Conformity is available via the Priva Support Portal: https://support.priva.nl (for registered partners only).

I/O connections	
Type of connector (module dependent)	spring clamps or plug-in GST18 connector

Spring clamps	
Permitted cable cross section for use with spring clamps	0.5 to 2.5 mm² (single core or flexible) 0.25 to 1.5 mm2 (flexible with ferrule connector to DIN 46228/1)

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Specifications

General	
Item	Comforte CX VAV Power supply module PS230-30 GST18
Part number	400032
Dimensions	105.3 x 97 x 70 (WxHxD in mm)
Weight	990 grams

Supply input	
Type of connector	3-pole GST18 connector (male) (Code 1)
Voltage	230 VAC (196 to 253 VAC)
Required mains frequency	50 Hz / 60 Hz
Used power	38 VA
Required installation fuses	Maximum 16 A

Supply output	
Connector type	4 pin connector
Nominal voltage	24 VAC ±0.5V
Open circuit voltage at nominal input voltage	27 VAC ±0.5V
Maximum current load	0.9 A (continuous) 1.25 A (for 2 minutes)
Protection	Glass fuse 1.25 A(T), 5 x 20 mm

Connector	
Core 1	0 VAC
Core 2	24 VAC
Core 3	Not used
Core 4	Not used

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