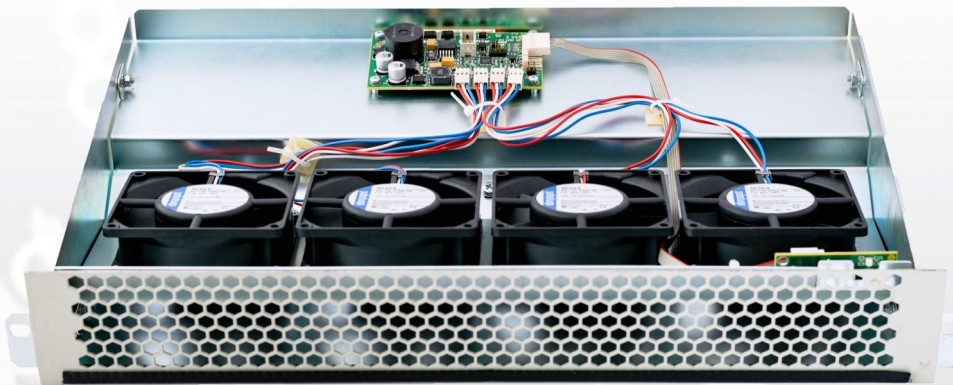


## Ventilation block UB0003V1 of Control System SandRA Z200 line

The **ventilation block UB0003V1** belongs to the **SandRA Z200** process station, which is intended primarily for the traditional energy and industrial sectors. **ZAT** has been manufacturing control systems for more than **50 years** and is thus an indispensable player in the automation industry.

The ventilation block ensures forced air-flow through the rack using **4 fans**. It contains **internal electronics** for evaluating and signaling the power supply status and fan speed. The ventilation block can be powered from two sources. The ventilation block has a **pair of outputs** with information about its status. The output signals are "warning" and "fault".



- Designed for a 19" frame
- Redundant 24V or 48V power supply
- Internal diagnostics of the ventilation block
- Speed control according to ambient temperature
- Board dimensions 476 x 265 x 71 mm



## Mechanical parameters and weight

Parameter	Conditions	Min.	Type	Max.	Units
Dimensions			476 x 265 x 71		mm
Weight			3		kg

## Electrical parameters

Parameter	Conditions	Min.	Type	Max.	Units
Input voltage		18	24	60	V
Consumption with four fans	$U_{in} = 18V$	310	450	525	mA
	$U_{in} = 24V$	231	333	755	mA
	$U_{in} = 35V$ (typ 22 °C)	160	227	620	mA
	$U_{in} = 48V$	115	167	451	mA
	$U_{in} = 60V$	95	136	374	mA

Note Power supplies are at terminal block X1: pins 1, 2 and 3, 4

## Parameters of installed fans

Parameter	Conditions	Min.	Type	Max.	Units
Number of fans			4		
Rated fan voltage			24		
Working range of fans					
Rated fan speed	SW parameterizable	12		24	V
Maximum fan power		2	5.1	5.5	W

## Parameters of output logic signals

Parameter	Conditions	Min.	Type	Max.	Units
Load current				0.12	A
Load voltage				80	V

Note Logic signals are on terminal block X1: pins 5, 6 and 7, 8 (OPTO-MOS RELAY)





# Ventilation block UB0003V1

Safe and reliable automation

## Protection

Parameter	Value	Units	Note
Built-in input fuse	F 1A		Internal fusible fuse
Input polarity reversal protection			Serial diode in the positive branches of both supply voltages
Limitation of the maximum pulsed current consumption	3	A	Switching current limit of the LM2592HV circuit

This document contains the product UB0003V1 and follows the document "Z200 Technical conditions" No. 4- 5397 constituting its integral part.

