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Data sheet 6BK1932-0AA00-0AA0

spare part SIPLUS HCS3200 compact heating control in degree of protection IP65 and UL Recognized certification. 9 power outputs max. 4000 W each. Please note: mating connectors are not included in scope of supply

General information	
Product type designation	HCS3200
Installation type/mounting	
Mounting type	screw fixing
Mounting position	vertical
Type of ventilation	Self-ventilation
Supply voltage	
Type of supply voltage	AC
Rated value (AC)	400 V
● Relative negative tolerance	10 %
● Relative positive tolerance	10 %
Line frequency	
● Rated value 50 Hz	Yes
● Rated value 60 Hz	Yes
● Relative symmetrical tolerance	5 %
Connection method	
● Design of electrical connection for supply voltage	Connector, 2-pole + PE
— Connectable conductor cross-sections, finely stranded with wire end processing	2x (6 ... 25 mm²) and 1x PE (6 ... 16 mm²)
— Connectable conductor cross-sections for AWG cables	2x (8 ... 4)
Input voltage	
device version of the power supply for electronics	external
Supply voltage for electronics	24 V
Relative symmetrical tolerance of the input voltage	20 %
Input current	
Current consumption for the electronics, max.	0.25 A
Power electronics	
Type of load	Ohmic load
Power capacity, max.	25.2 kW
Switching capacity current per phase, max.	63 A
Breaking capacity maximum short-circuit current (Icu) at 400 V	25 kA
Rated conditional short-circuit current (Iq)	25 kA
Control of heating elements	
● Type of control of the heating elements	Half-wave control
Heating power	
● Number of digital outputs	9
● Number of heating elements per output, max.	1
● Output voltage for heating power	400 V
● Power carrying capacity per output, min.	200 W
● Power carrying capacity per output, max.	4 000 W
● Output current for heating power	10 A
● Design of short-circuit protection per output	Fuse 15 A
Fan control	
● Number of digital outputs	0
Connection method	
● Design of electrical connection for main circuit	Connector, 5-pole
● Design of electrical connection at output for heating and fan	Connector, 20-pole + PE

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— Connectable conductor cross-sections, finely stranded with wire end processing	18x (1.5 ... 4 mm²), 1x PE (1.5 ... 16 mm²)
— Connectable conductor cross-sections for AWG cables, stranded	18x (18 ... 12)
Interfaces	
Interfaces/bus type	PROFIBUS DP
PROFIBUS DP	
● Transmission rate, max.	12 Mbit/s
● Design of electrical connection	ECOFAST
Protocols	
PROFIBUS DP	Yes
Interrupts/diagnostics/status information	
Number of status displays	2
LED status display	LED green = status indicator, LED red = fault indicator
Diagnostics function	Voltage diagnostics
Diagnoses	
● Wire break	Yes
● Fuse blown	Yes
● Load failure	Yes
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Type of temperature monitoring	NTC thermistor
Measuring functions	
● Voltage measurement	Yes
Potential separation	
Design of electrical isolation	Optocoupler between main circuit and PELV
between the outputs	No
Isolation	
Overvoltage category	III
Degree of pollution	2
EMC	
EMC interference emission	in accordance with IEC 61000-6-4:2007 + A1:2011
Electrostatic discharge acc. to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Field-related interference acc. to IEC 61000-4-3	10 V/m (80 ... 1 000 MHz), 3 V/m (1.4 ... 2.0 GHz), 1 V/m (2.0 ... 2.7 GHz)
Conducted interference due to burst acc. to IEC 61000-4-4	2 kV power supply lines / 1 kV signal lines
Conducted interference due to surge acc. to IEC 61000-4-5	On supply lines: 1 kV symmetrical, 2 kV asymmetrical, (24 V DC supply only with external protective measure) for PROFIBUS cable : asymmetrical 1 kV
Conducted interference due to high-frequency radiation acc. to IEC 61000-4-6	10 V (0.15 ... 80 MHz)
Degree and class of protection	
IP degree of protection	IP65
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
reference designation according to IEC 81346-2 (2009)	Q
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °C
Ambient temperature during storage/transportation	
● Storage, min.	-40 °C
● Storage, max.	70 °C
● Transportation, min.	-40 °C
● Transportation, max.	70 °C
Air pressure acc. to IEC 60068-2-13	

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● Operation, min.	860 hPa
● Operation, max.	1 080 hPa
● Storage, min.	660 hPa
● Storage, max.	1 080 hPa
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	2 000 m
Relative humidity	
● Operation at 25 °C, max.	95 %
● Operation at 50 °C, max.	50 %
Vibrations	
● Vibration resistance during operation acc. to IEC 60068-2-6	10 ... 58 Hz / 0.15 mm, 58 ... 150 Hz / 1 g
● Vibration resistance during storage acc. to IEC 60068-2-6	5 ... 9 Hz / 3.5 mm, 9 ... 500 Hz / 1 g
Shock testing	
● Shock resistance during operation acc. to IEC 60068-2-27	15 g / 11 ms / 3 shocks/axis
● Shock resistance during storage acc. to IEC 60068-2-29	25 g / 6 ms / 1 000 shocks/axis

Dimensions

Width	300 mm
Height	380 mm
Depth	200 mm

Classifications

	Version	Classification
eClass	16	27-24-40-01
eClass	14	27-24-40-01
eClass	12	27-24-40-01
eClass	9.1	27-24-40-01
eClass	9	27-24-40-01
eClass	8	27-24-26-90
eClass	7.1	27-24-26-90
eClass	6	27-24-26-90
ETIM	10	EC002982
ETIM	9	EC002982
ETIM	8	EC002982
ETIM	7	EC002982
IDEA	4	3567
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval	EMV

last modified: 3/13/2026

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