SIEMENS

Data sheet 6BK1943-1BA00-0AA0



spare part SIPLUS HCS4300 CIM4310 central interface module with PROFIBUS communication

General information	
Product type designation	CIM4310
Installation type/mounting	
Mounting type	Screw mounting to POM
Mounting position	vertical
Type of ventilation	Forced ventilation
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
relative symmetrical tolerance of the supply voltage	20 %
Connection method	
● Design of electrical connection for supply voltage	plug, 2x 2-pole with spring-type terminal, push-in
— Connectable conductor cross-sections, solid	1x (0.2 ... 2.5 mm²)
— Connectable conductor cross-sections, finely stranded with wire end processing	1x (0.2 ... 2.5 mm²)
— Connectable conductor cross-sections for AWG cables	1x (26 ... 12)
Power	
Active power input	3 W
Hardware configuration	
Type of power output connectable	POM4320
Slots	
● Number of slots	1
Interfaces	
Interfaces/bus type	PROFIBUS DP
Transmission rate, max.	12 Mbit/s
PROFIBUS DP	
● Design of electrical connection	9-pin sub D socket
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS DP	Yes
EtherNet/IP	No
Interrupts/diagnostics/status information	
Number of status displays	3
LED status display	LED green = ready, LED yellow = heating on/off, LED red = error display
Isolation	
Overvoltage category	III
Degree of pollution	2
EMC	

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EMC interference emission	Limit value 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 / 2 kV PROFIBUS cables
Conducted interference due to surge acc. to IEC 61000-4-5	DC supply lines: 0.5 kV symmetrical and asymmetrical, PROFIBUS lines: 1 kV asymmetrical
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	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
reference designation according to IEC 81346-2 (2009)	K
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	55 °C
Ambient temperature during storage/transportation	
● Storage, min.	-25 °C
● Storage, max.	70 °C
● Transportation, min.	-25 °C
● Transportation, max.	70 °C
Air pressure acc. to IEC 60068-2-13	
● 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 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C
Vibrations	
● Vibration resistance during operation acc. to IEC 60068-2-6	10 ... 58 Hz / 0.075 mm, 58 ... 150 Hz / 1 g
● Vibration resistance during storage acc. to IEC 60068-2-6	5 ... 8.5 Hz / 3.5 mm, 8.5 ... 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	56 mm
Height	285 mm
Depth	136 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

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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

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