SIEMENS

Data sheet 6BK1700-2AA70-0AA0

SIPLUS HCS716I rack - mounting frame version - without flange. For holding up to 12 power output modules LA716, LA716I and LA716I HP. The contacting of the L module via direct connectors on a bus PCB which the rear of the module rack connected. The control module with the ASIC DPC31 for PROFIBUS connection is on the right side section of the enclosure

Figure similar

Installation type/mounting	
Mounting type	Control cabinet backplane
Mounting position	Horizontal
Type of ventilation	Self ventilation or forced ventilation
Supply voltage	
Type of supply voltage	AC
Rated value (AC)	230 V
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes
• Relative symmetrical tolerance	5 %
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
• Recovery time after power failure, typ.	1 s
Connection method	
• Design of electrical connection for supply voltage	Connector, 2-pole

— Connectable conductor cross-sections, solid	1x (0.2 ... 2.5 mm²)
— Connectable conductor cross-sections, finely stranded with wire end processing	1x (0.25 ... 2.5 mm²)
— Connectable conductor cross-sections for AWG cables	24 ... 12
Power	
Active power input	15 W
Hardware configuration	
Type of power output connectable	LA716 / LA716I / LA716I HP
Power capacity per rack with fan, max.	176 kW
Power capacity per rack without fan, max.	67 kW
Slots	
• Number of slots	12
Interfaces	
Interfaces/bus type	PROFIBUS DP
Protocols	
PROFIBUS DP	Yes
Interrupts/diagnostics/status information	
Number of status displays	2
LED status display	LED green = status indicator, LED red = fault indicator
Isolation	
Overvoltage category	III
Degree of pollution	2
EMC	
EMC interference emission	in accordance with EN 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 voltage supply cables / 2 kV signal cables
Conducted interference due to surge acc. to IEC 61000-4-5	On supply lines: 1 kV symmetrical, 2 kV asymmetrical, PROFIBUS cable asymmetrical 1 kV
Conducted interference due to high-frequency radiation acc. to IEC 61000-4-6	10 V in the frequency range 0.15 ... 80 MHz, Modulation 80 % AM at 1 kHz, evaluation criterion A
Degree and class of protection	
IP degree of protection	IP00
Standards, approvals, certificates	
Certificate of suitability	CE, KCC
CE mark	Yes

KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
Reference designation according to DIN EN 81346-2	K

Ambient conditions

Ambient temperature during operation	
• min.	0 °C
• max.	55 °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	
• 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 %
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	510 mm
Height	310 mm
Depth	330 mm

last modified: 03/05/2020