SIEMENS

Data sheet 6BK1700-2AA00-0AA1



spare part SIPLUS HCS716I rack - swing frame version - For holding up to 12 power output modules LA716, LA716I and LA716I HP

Installation type/mounting	
Mounting type	in a hinged frame
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
PROFIBUS DP	
● Transmission rate, max.	12 Mbit/s
● Design of electrical connection	9-pin sub D socket
Protocols	
PROFIBUS DP	Yes
Interrupts/diagnostics/status information	
Number of status displays	2
LED status display	LED green = status indicator, LED red = fault indicator

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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 IEC 81346-2 (2009)	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	483 mm
Height	265.5 mm
Depth	350 mm

Classifications

	Version	Classification
eClass	16	27-24-40-03
eClass	14	27-24-40-03
eClass	12	27-24-40-03
eClass	9.1	27-24-40-03
eClass	9	27-24-40-03
eClass	8	27-24-26-03
eClass	7.1	27-24-26-03
eClass	6	27-24-26-03
ETIM	10	EC002983

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ETIM	9	EC002983
ETIM	8	EC002983
ETIM	7	EC002983
IDEA	4	3560
UNSPSC	15	32-15-17-04

Approvals / Certificates

General Product Approval	**EMV**







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