SIEMENS

Data sheet 6BK1700-2BA70-0AA1

Figure similar

Spare part SIPLUS HCS716I LA716 power output module with 16 channels max. 650 W each. For operation, a rack is required. The 5x 20 mm fuses 5AMP. quick-action are (replaceable) to be plugged onto open fuse holders; 2-phase line infeed via front-side 3-pole connection terminal. Radiator outlets via 2x8-pole pin connectors (not included in scope of supply)

General information	
Product brand name	SIPLUS
Type of control of heat emitters	Full-wave control
Installation type/mounting	
Mounting type	Mounting clip in the rack
Mounting position	vertical
Type of ventilation	Self ventilation or forced ventilation
Supply voltage	
Type of supply voltage	AC
Rated value (AC)	230 V
Relative negative tolerance	18 %
Relative positive tolerance	15 %
Resistance thermometer (RTD)	
• Design of electrical connection for supply voltage	Terminal, 3-pin
— Connectable conductor cross-sections, solid	1x (0.5 ... 6 mm²)

— Connectable conductor cross-sections, finely stranded with wire end processing	1x (0.5 ... 4 mm²)
— Connectable conductor cross-sections for AWG cables	22 ... 10
Power electronics	
Type of load	Ohmic load
Heating power	
• Power carrying capacity per output, max.	650 W
Integration and conversion time/resolution per channel	
• Design of electrical connection at output for heating and fan	Socket strip, 8-pole
— Connectable conductor cross-sections, solid	1x (0.2 ... 1.5 mm²)
Interfaces	
Interfaces/bus type	system interface
Interrupts/diagnostics/status information	
Diagnostics function	Voltage diagnostics
Diagnostic messages	
• Wire-break	Yes
• Fuse blown	Yes
• Heat emitter defect	Yes
Integrated Functions	
Monitoring functions	
• Temperature monitoring	Yes
Potential separation	
Design of electrical isolation	Optocoupler between main circuit and SELV / PELV
between the outputs	No
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 power supply and signal cables: 1 kV symmetrical, 2 kV unsymmetrical
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	IP00
Standards, approvals, certificates	

Certificate of suitability	CE, KCC
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes

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
Shock testing	
• Shock resistance acc. to IEC 60068-2-27	15 g / 11 ms / 3 shocks/axis
• Shock resistance acc. to IEC 60068-2-29	25 g / 6 ms / 1 000 shocks/axis

Dimensions	
Width	31 mm
Height	233.4 mm
Depth	241 mm

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