SIEMENS

Data sheet 6BK1700-4BA80-0AA0

SIPLUS HCS716I POWER OUTPUT MODULE LA716I WITH 16 CHANNELS EACH MAX. 1150W. FOR USE A MODULES SUBRACK IS REQUIRED. THE 5 X 20 MM FUSES 5 AMP. QUICK-RESPONSE FOR EACH CHANNEL ARE PLUGGED ON OPEN FUSE HOLDERS AND ARE EXCHANGEABLE. 2-PHASE POWER SUPPLY VIA FRONT SIDE 3-POLE TERMINALS (IN THE SCOPE OF SUPPLY). HEATER OUTLETS VIA 2 X 8-PIN CONNECTORS (NOT IN THE SCOPE OF SUPPLY).

Figure similar

General information	
Product brand name	SIPLUS
Product designation	HCS716I power module LA716I
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	Connector, 3-pin

— Connectable conductor cross-sections, solid	1x (0.2 ... 10 mm²)
— Connectable conductor cross-sections, finely stranded with wire end processing	1x (0.25 ... 6 mm²)
— Connectable conductor cross-sections for AWG cables	24 ... 8
Power electronics	
Type of load	Ohmic load
Heating power	
• Power carrying capacity per output, max.	1 150 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
CE mark	Yes
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
• Installation altitude above sea level, max.	2 000 m
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	279 mm

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