

SPARE PART SIPLUS HCS300I DIGITAL OUTPUT MODULE DM6 WITH INTEGRATED INTERFACE TO CONNECT THE CONNECTION CABLES TO THE SOLID STATE RELAYS THE PREASSEMBLED CABLES ARE AVAILABLE UNDER ORDER NUMBER: 6BK1700-2FA00-0AA0 AND 6BK1700-2FA10-0AA0



Figure similar

General information	
Product brand name	SIPLUS
Installation type/mounting	
Mounting type	Snap-mounting on a TH 35 mm standard rail compliant with IEC 60715 or screw-mounted using additional push-in lug
Mounting position	any
Supply voltage	
Design of the power supply	Supply via base unit
Digital outputs	
Number of semiconductor outputs	6
Number of outputs as contacting contact block	0
Design of switching output	semiconductor output (high side switch)
Switching performance	monostable
short-circuit proof	Yes
Control for solid-state-relay via assembled connecting cable	Yes
Control supply voltage	

• Type of control supply voltage	DC
• permissible range, lower limit (DC)	20.4 V
• permissible range, upper limit (DC)	28.8 V
Output voltage	
• Type of output voltage	DC
• Rated value (DC)	24 V
• Output voltage, min.	19.4 V
• Output voltage, max.	28.8 V
Output current	
• for signal "1" permissible range, max.	500 mA
Switching frequency	
• with resistive load, max.	50 Hz; with a 50 Hz digital module; at maximum configuration min. 20 Hz
Characteristics will be deleted after June 30, 2015	
• Design of electrical connection at the digital outputs	Screw connection with removable terminal
— Connectable conductor cross-sections, solid	1x (0.5 ... 4 mm ²), 2x (0.5 ... 2.5 mm ²)
— Connectable conductor cross-sections, finely stranded with wire end processing	1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²)
— Connectable conductor cross-sections for AWG cables	1x (20 ... 14), 2x (20 ... 16)
• Design of electrical connection for control supply voltage	Screw connection with removable terminal
— Connectable conductor cross-sections with wire end processing	1x (0.5 ... 2.5 mm ²), 2x (0.5 ... 1.5 mm ²)
— Connectable conductor cross-sections for AWG cables	1x (20 ... 14), 2x (20 ... 16)
Interfaces	
Interfaces/bus type	system interface
Interrupts/diagnostics/status information	
Number of status displays	1
LED status display	continuous light: ready, flashing light: no connection to basic device
Potential separation	
between outputs and system interface	No
Isolation	
Degree of pollution	2
EMC	
EMC interference emission	IEC61131: Class A; conducted and radiated: DIN EN 55011/CISPR11 (corresponds to degree of severity A)
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 / 1 kV signal lines
Conducted interference due to surge acc. to IEC 61000-4-5	On supply lines: 1 kV symmetrical, 2 kV unsymmetrical; on signal cables > 30 m unshielded: 0.5 kV symmetric, 1 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	IP20
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Standards, approvals, certificates

Certificate of suitability	CE, cULus, C-TICK (RCM)
CE mark	Yes
UL approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
Equipment marking according to EN 61346-2	F
Device tag according to DIN EN 81346-2	F
Equipment marking according to DIN 40719, expanded according to IEC 204-2, according to IEC 750	F

Ambient conditions

Ambient temperature during operation	
• min.	-25 °C
• max.	60 °C
Ambient temperature during storage/transportation	
• Storage, min.	-40 °C
• Storage, max.	80 °C
• Transportation, min.	-40 °C
• Transportation, max.	80 °C
Air pressure acc. to IEC 60068-2-13	
• Operation, min.	795 hPa
• Operation, max.	1 080 hPa
• Storage, min.	660 hPa
• Storage, max.	1 080 hPa
• Installation altitude above sea level, max.	2 000 m
Vibrations	
• Vibration resistance during operation acc. to IEC 60068-2-6	5 ... 500 Hz, 3.5 mm amplitude, 1 g, 10 cycles, 1 octave/min
Shock testing	

- Shock resistance acc. to IEC 60068-2-27

15 g / 11 ms

Connection method

Design of electrical connection for auxiliary and control circuit

Screw connection

Dimensions

Width 22.5 mm

Height 92 mm

Depth 115 mm

last modified: 09/28/2017