

# SIEMENS

## Product data sheet

**6AV3688-3CD13-0AX0**

PUSH BUTTON PANEL PP17 I 16 SHORT-STROKE KEYS 16 SURFACE LED'S,  
16 DI AND 16 DO TERMINALS PROFIBUS DP12



### General information

Short lift keys/additional inputs as pushbuttons or switches Yes

max. pulse extension for short-stroke keys and digital inputs 1000 ms

Release input Yes

### Control elements

Control elements Membrane keyboard

Operating options Keys

Function keys, programmable 16 function keys, 16 with LEDs

### Keyboard fonts

freely inscribable membrane keys Yes

Numeric/alphabetical input

Multi-key operation Yes

### Supply voltage

Supply voltage 24 V DC

Input current	
Rated current	0.4 A
Inrush current A <sup>2</sup> s	0.03 A <sup>2</sup> s
Power	
Power	10 W
Type of output	
Power LED	Yes
Error LED	Yes
Color modes for LED	3
Number of LEDs	16
Digital inputs	
Number of digital inputs	16
integrated channels (DI)	16
Voltage (DC)	24 V
Digital outputs	
integrated channels (DO)	16
Load "resistive"	100 mA
Load "inductive"	100 mA
Load "capacitive"	100 mA
Voltage (DC)	24 V
Total power	12 W
Number of digital outputs	16
In groups of	4
Output current (per output) max.	100 mA
Total current (per group), max.	500 mA
Short-circuit protection	Yes
Interfaces	
Interfaces	1 x RS485 (max. 12 Mbit/s)
Number of RS 485 interfaces	1
Transmission rate, max.	12 Mbit/s
Protocols	
Supports protocol for PROFINET IO	No
PROFIBUS	Yes

MPI	Yes
<b>Protocols (Ethernet)</b>	
TCP/IP	No
<b>Further protocols</b>	
AS-i	No
CAN	No
INTERBUS	No
MODBUS	No
Data highway	No
DeviceNet	No
Local Operating Network	No
SUCOnet	No
other bus systems	No
<b>Test commissioning functions</b>	
Flashing frequency for LEDs	0.5 Hz
Pushbutton and lamp test	Yes
<b>Degree and class of protection</b>	
Front	IP65
IP (at the front)	IP65
Rear	IP20
<b>Standards, approvals, certificates</b>	
Certifications	CE, FM Class I Div. 2, UL, CSA
<b>Ambient conditions</b>	
Mounting position	vertical
maximum permissible angle of inclination without external ventilation	+/- 35 °
<b>Storage/transport temperature</b>	
Transport, storage	-20 °C to +70 °C
<b>Relative humidity</b>	
max. relative humidity	95 %
<b>Mechanics/material</b>	
<b>Lifetime, typ.</b>	
Short-stroke keys (in switching cycles)	1500000
LEDs (ON period)	100 %

Dimensions	
Front of enclosure (W x H)	240 mm x 204 mm
Weight	
Weight	1.2 kg
other	
free hotline	Yes
Warranty period	1 a
Status	Jul 17, 2012