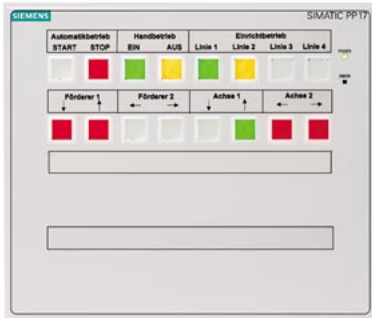


\*\*\*Spare part\*\*\* Push Button Panel PP17 I 16 short-stroke keys, 16 surface LEDs, 16 DI and 16 DO terminals PROFIBUS DP12



General information	
Product type designation	PP17-I
Control elements	
With parameterizable keys	Yes
Keyboard fonts	
<ul style="list-style-type: none"> <li>Membrane keyboard                             <ul style="list-style-type: none"> <li>— user-definable label membrane keys</li> </ul> </li> <li>Function keys                             <ul style="list-style-type: none"> <li>— Number of function keys</li> </ul> </li> <li>Short-stroke keys                             <ul style="list-style-type: none"> <li>— Number of short-stroke keys</li> </ul> </li> </ul>	Yes  16  16
Expansions for operator control of the process	
<ul style="list-style-type: none"> <li>DP direct LEDs (LEDs as S7 output I/O)</li> <li>Number of color modes for LED</li> <li>Direct keys (keys as S7 input I/O)</li> </ul>	16 3 16
Installation type/mounting	
Mounting type	Clamp terminals
Mounting position	vertical
Rack mounting	No
Front mounting	Yes
Rail mounting	No
Wall mounting/direct mounting	No
Mounting in portrait format possible	No
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without external ventilation	35°
Number of slots for command devices and signaling units	12
Supply voltage	
Type of supply voltage	DC
permissible range, lower limit (DC)	18 V
permissible range, upper limit (DC)	30 V
Input current	
Starting current inrush I <sup>2</sup> t	0.03 A <sup>2</sup> ·s
Type of output	
LED colors	red, yellow, green
<ul style="list-style-type: none"> <li>red</li> <li>yellow</li> <li>green</li> <li>white</li> </ul>	Yes Yes Yes No

• blue	No
<b>Digital inputs</b>	
Number of digital inputs	16
Input voltage	
• Rated value (DC)	24 V
<b>Digital outputs</b>	
Number of digital outputs	16
• in groups of	4
Short-circuit protection	Yes
Switching capacity of the outputs	
• with resistive load, max.	100 mA
• with inductive load, max.	100 mA; max. 2 watts
• on lamp load, max.	2 W
Output voltage	
• Rated value (DC)	24 V
Total current of the outputs	
• Current per channel, max.	100 mA
• Current per group, max.	500 mA
<b>Interfaces</b>	
Number of industrial Ethernet interfaces	0
Number of PROFINET interfaces	0
Industrial Ethernet	
• Industrial Ethernet status LED	0
• Number of ports of the integrated switch	0
<b>Protocols</b>	
PROFINET	No
Supports protocol for PROFINET IO	No
PROFINET CBA	No
IRT	No
PROFIsafe	No
PROFIBUS	Yes
EtherNet/IP	No
MPI	Yes
AS-Interface	No
EIB/KNX	No
Protocols (Ethernet)	
• TCP/IP	No
Redundancy mode	
Media redundancy	
— MRP	No
Further protocols	
• AS-Interface Safety at Work	No
• CAN	No
• Data-Highway	No
• DeviceNet	No
• DeviceNet Safety	No
• Foundation Fieldbus	No
• INTERBUS	No
• INTERBUS-Safety	No
• Local Operating Network	No
• MODBUS	No
• SafetyBUS p	No
• SERCOS	No
• SUCOnet	No
• other bus systems	No
<b>Test commissioning functions</b>	
Illuminant test	Yes
Key and signal lamp test	Yes; automatically when switching on
<b>EMC</b>	

<b>Emission of radio interference acc. to EN 55 011</b>	
• Limit class A, for use in industrial areas	Yes
• Limit class B, for use in residential areas	No
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
• Enclosure Type 4 at the front	No
• Enclosure Type 4x at the front	No
<b>Standards, approvals, certificates</b>	
CE mark	Yes
cULus	No
RCM (formerly C-TICK)	No
KC approval	No
Suitable for safety functions	No
<b>Use in hazardous areas</b>	
• ATEX Zone 2	No
• ATEX Zone 22	No
• cULus Class I Zone 1	No
• cULus Class I Zone 2, Division 2	No
• FM Class I Division 2	No
<b>Marine approval</b>	
• Germanischer Lloyd (GL)	No
• American Bureau of Shipping (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (Class NK)	No
• Polski Rejestr Statkow (PRS)	No
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• min.	0 °C
• max.	55 °C
<b>Operation (vertical installation)</b>	
— For vertical installation, min.	0 °C
— For vertical installation, max.	55 °C
<b>Operation (max. tilt angle)</b>	
— At maximum tilt angle, min.	0 °C
— At maximum tilt angle, max.	55 °C
<b>Ambient temperature during storage/transportation</b>	
• min.	-20 °C
• max.	60 °C
<b>Relative humidity</b>	
• Operation, max.	95 %
<b>configuration / header</b>	
<b>Configuration software</b>	
• STEP 7 Basic (TIA Portal)	Yes
• STEP 7 Professional (TIA Portal)	Yes
<b>Functionality under WinCC (TIA Portal)</b>	
<b>Process coupling</b>	
• S7-1200	Yes
• S7-1500	Yes
• S7-200	No
• S7-300/400	Yes
• LOGO!	No
• WinAC	Yes
• SINUMERIK	No
• SIMOTION	No
• Allen Bradley (EtherNet/IP)	No

- Allen Bradley (DF1) No
- Mitsubishi (MC TCP/IP) No
- Mitsubishi (FX) No
- OMRON (FINS TCP) No
- OMRON (LINK/Multilink) No
- Modicon (Modbus TCP/IP) No
- Modicon (Modbus) No

#### Mechanics/material

- Enclosure material (front)
- Plastic No
  - Aluminum Yes
  - Stainless steel No

#### Service life

- Short-stroke keys (in switching cycles) 1 500 000
- LEDs (ON period) 100 %

#### Dimensions

- Width of the housing front 240 mm
- Height of housing front 204 mm
- Mounting cutout, width 226 mm
- Mounting cutout, height 190 mm
- Overall depth 53 mm

#### Weights

- Weight (without packaging) 1 130 g

**last modified:** 11/12/2021 