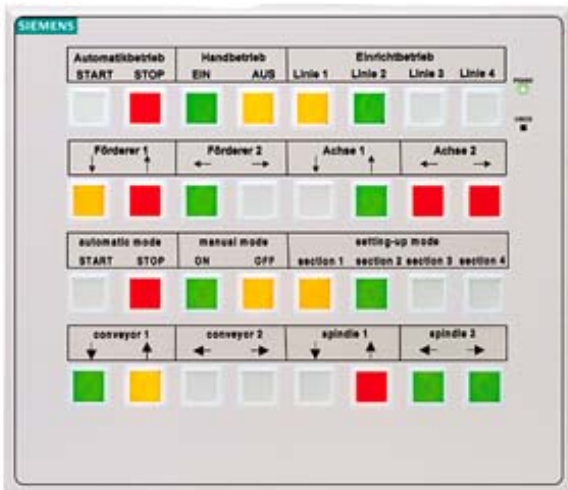


SPARE PART SIPLUS HMI PP17II FOR MEDIAL STRESS
 BASED ON 6AV3688-3ED13-0AX0



General information

Product type designation PP17-II

Control elements

Control elements Membrane keyboard

With parameterizable keys Yes

Keyboard fonts

- Membrane keyboard Yes
- user-definable label membrane keys Yes
- Function keys
 - Number of function keys 32
 - Number of function keys with LEDs 32
- Multi-key operation Yes

Expansions for operator control of the process

- Enable input Yes
- Short-stroke keys/additional inputs as pushbuttons or switches Yes
- Pulse extension for short-stroke keys and digital inputs, max. 1 000 ms

Installation type/mounting	
Mounting position	vertical
maximum permissible angle of inclination without external ventilation	35°
Supply voltage	
Type of supply voltage	DC
Input current	
Current consumption (rated value)	0.4 A
Starting current inrush I ² t	0.03 A ² ·s
Power	
Active power input, typ.	10 W
Type of output	
Power LED	Yes
Error LED	Yes
Digital inputs	
Number of digital inputs	16
Input voltage	
<ul style="list-style-type: none"> Rated value (DC) 	24 V
Digital outputs	
Number of digital outputs	16
<ul style="list-style-type: none"> in groups of 	4
Short-circuit protection	Yes
Switching capacity of the outputs	
<ul style="list-style-type: none"> with resistive load, max. 	100 mA
<ul style="list-style-type: none"> with inductive load, max. 	100 mA
Output voltage	
<ul style="list-style-type: none"> Rated value (DC) 	24 V
Total current of the outputs	
<ul style="list-style-type: none"> Current per channel, max. 	100 mA
<ul style="list-style-type: none"> Current per group, max. 	500 mA
Interfaces	
Interfaces/bus type	1 x RS485 (max. 12 Mbit/s)
Number of industrial Ethernet interfaces	0
Number of PROFINET interfaces	0
Number of RS 485 interfaces	1
<ul style="list-style-type: none"> Transmission rate, max. 	12 Mbit/s
Protocols	
Supports protocol for PROFINET IO	No
PROFIsafe	No
PROFIBUS	Yes

MPI	Yes
AS-Interface	No
Protocols (Ethernet)	
• TCP/IP	No
Further protocols	
• MODBUS	No
• other bus systems	No
Test commissioning functions	
Key and signal lamp test	Yes; Automatically when switching on
Flashing frequency for LEDs	0.5 Hz
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
Certifications	CE
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C; = Tmin
• max.	55 °C; = Tmax
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	70 °C
Extended ambient conditions	
• relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity	
— With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; Relative humidity, incl. condensation / frost permitted (no commissioning under condensation conditions)
Resistance	
— against biologically active substances / conformity with EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— against chemically active substances / conformity with EN 60721-3-3	Yes; Class 3C4 incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
— against mechanically active substances / conformity with EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Mechanics/material	
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
Overall depth	53 mm

Weights

Weight (without packaging)	1.5 kg
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Other

free hotline	Yes
Warranty period	1 y
last modified:	05/31/2017