## Data sheet

SIPLUS HMI KP1200 Comfort for medial exposure with conformal coating based on 6AV2124-1MC01-0AX0



Figure similar

General information	
Product type designation	KP1200 Comfort
Display	
Design of display	TFT
Screen diagonal	12.1 in
Display width	261.1 mm
Display height	163.2 mm
Number of colors	16 777 216
Resolution (pixels)	
Horizontal image resolution	1 280 Pixel
<ul> <li>Vertical image resolution</li> </ul>	800 Pixel
Backlighting	
MTBF backlighting (at 25 °C)	80 000 h
Backlight dimmable	Yes; 0-100 %
Control elements	
Keyboard fonts	

Function keys	
Number of function keys	34
Number of function keys with LEDs	34
Keys with LED	Yes
System keys	Yes
Numeric keyboard	Yes
alphanumeric keyboard	Yes; similar to mobile phone
Touch operation	, , , , , , , , , , , , , , , , , , ,
Design as touch screen	No
Expansions for operator control of the process	
DP direct LEDs (LEDs as S7 output I/O)	
— F1Fx	34
Direct keys (keys as S7 input I/O)	
— F1Fx	34
Direct keys (touch buttons as S7 input I/O)	0
Direct keys (touch buttons as 37 input 170)	ŭ
Installation type/mounting	
Mounting position	vertical
Mounting in portrait format possible	No
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without	35°
external ventilation	
Supply voltage	
Supply voltage Type of supply voltage	DC
Type of supply voltage Rated value (DC)	DC 24 V
Type of supply voltage Rated value (DC) permissible range, lower limit (DC)	24 V 19.2 V
Type of supply voltage Rated value (DC)	24 V
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)	24 V 19.2 V
Type of supply voltage Rated value (DC) permissible range, lower limit (DC)	24 V 19.2 V
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) Input current	24 V 19.2 V 28.8 V
Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  Input current  Current consumption (rated value)  Starting current inrush I²t	24 V 19.2 V 28.8 V 0.85 A
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t	24 V 19.2 V 28.8 V 0.85 A 0.5 A <sup>2</sup> ·s
Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  Input current  Current consumption (rated value)  Starting current inrush I²t	24 V 19.2 V 28.8 V 0.85 A
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.	24 V 19.2 V 28.8 V 0.85 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.	24 V 19.2 V 28.8 V 0.85 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type	24 V 19.2 V 28.8 V 0.85 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.	24 V 19.2 V 28.8 V 0.85 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory	24 V 19.2 V 28.8 V 0.85 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory Flash	24 V 19.2 V 28.8 V 0.85 A 0.5 A <sup>2</sup> ·s
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory Flash RAM Memory available for user data	24 V 19.2 V 28.8 V  0.85 A 0.5 A <sup>2</sup> ·s  20 W  X86
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory Flash RAM Memory available for user data  Type of output	24 V 19.2 V 28.8 V  0.85 A 0.5 A²-s  20 W  X86  Yes Yes 12 Mbyte
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Input current Current consumption (rated value) Starting current inrush I²t  Power Active power input, typ.  Processor Processor type  Memory Flash RAM Memory available for user data	24 V 19.2 V 28.8 V  0.85 A 0.5 A <sup>2</sup> ·s  20 W  X86

Error LED	No
Acoustics	
Buzzer	No
• Speaker	Yes
Time of day	
Clock	
Hardware clock (real-time)	Yes
Software clock	No
• retentive	Yes
• synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	2
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 422 interfaces	1
Number of RS 232 interfaces	0
Number of USB interfaces	2; USB 2.0
• USB Mini B	1; 5-pole
Number of 20 mA interfaces (TTY)	0
Number of parallel interfaces	0
Number of other interfaces	0
Number of SD card slots	2
With software interfaces	No
Industrial Ethernet	
Industrial Ethernet status LED	2
<ul> <li>Number of ports of the integrated switch</li> </ul>	2
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
IRT	Yes; With WinCC, subsequent version
PROFIBUS	Yes
MPI	Yes
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	
• HTTP	Yes
• HTTPS	No
• HTML	Yes
~ 111IVIL	

- VAN	No
• XML	No
• CSS	Yes
Active X	No
JavaScript	Yes
• Java VM	No
Redundancy mode	
• MRP	Yes; With WinCC, subsequent version
Further protocols	
• CAN	No
EtherNet/IP	Yes
• MODBUS	Yes
Interrupts/diagnostics/status information	
Diagnostic messages	
Diagnostic information readable	Yes; S7 controller
EMC	
Emission of radio interference acc. to EN 55 011	
Limit class A, for use in industrial areas	Yes
• Limit class B, for use in residential areas	No
Degree and class of protection	
IP (at the front)	IP65
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
IP (rear)	IP20
Ambient conditions	
Ambient conditions Suited for indoor use	Yes
Suited for outdoor use	No
Ambient temperature during operation	
Operation (vertical installation)	
— For vertical installation, min.	0 °C; = Tmin
For vertical installation, max.	50 °C; = Tmax
Operation (max. tilt angle)	or o, max
	0 °C; = Tmin
— At maximum tilt angle, min.	40 °C; = Tmax
— At maximum tilt angle, min.	40 G, - Illiax
Operation (vertical installation, portrait format)	0.00
— For vertical installation, min.	0 °C; = Tmin
<ul><li>For vertical installation, max.</li></ul>	40 °C; = Tmax
<ul> <li>Operation (max. tilt angle, portrait format)</li> </ul>	
<ul><li>At maximum tilt angle, min.</li></ul>	0 °C; = Tmin
— At maximum tilt angle, min.	35 °C; = Tmax
Ambient temperature during storage/transportation	

Installation altitude above sea level     Installation altitude above sea level, max.     Ambient air temperature-barometric pressurealtitude     Timin (Tmax. 10 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 658 hPa 558 hPa (+2 000 m +3 500 m) // Tmin (Tmax20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m) // Tmin (Tmax20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m) // Tmin (Tmax20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m) // Tmin (Tmax20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m +3 500 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m +2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmin (Tmax20 K) at 795 hPa (-2 000 m) // Tmi	• min.	-20 °C
In the stallation altitude above sea level, max.  Ambient air temperature-barometric pressurealitude  Ambient air temperature-barometric pressurealitude  Trimi Trmax - 10 K) at 795 hPa 658 hPa 540 hPa (+3 500 m) +5 5000 m)  Relative humidity  With condensation, tested in accordance with IEC 60068-2-38, max.  Resistance  Coolants and lubricants  Resistance  Coolants and lubricants  Tesistance  Tesistant to commercially available coolants and lubricants  Tesistance  Tesistanc	• max.	60 °C
Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax -10 K) at 795 hPa (-1 000 m +3 000 m) // Tmin (Tmax -20 K) at 658 hPa (-2 000 m +3 000 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa +5 000 m, // Tmin (Tmax -20 K) at 658 hPa 540 hPa +5 000 m, // Tmin Tmax at 140 hPa +5 000 m, // Tmin Tmax at 140 hPa +5 000 m	Altitude during operation relating to sea level	
### Timin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)  ### Resistance    Coolants and lubricants	<ul> <li>Installation altitude above sea level, max.</li> </ul>	5 000 m
With condensation, tested in accordance with IEC 60088-2-38, max.  Resistance  Coolants and lubricants  — Resistant to commercially available colants and lubricants  Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  — to biologically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60654-4  — Environmental conditions for process, measuring and control systems acc. to EN 60654-4  — Environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • Military testing according to MIL-I-46058C,  Wiss, Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal sp		Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax -20 K) at 658 hPa 540 hPa (+3 500 m +5
Resistance  Coolants and lubricants  Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  to biologically active substances according to EN 60721-3-3  to chemically active substances according to EN 60721-3-3  to mechanically active substances according to EN 60721-3-3  Use on ships/at sea  to biologically active substances according to EN 60721-3-3  Use on ships/at sea  to biologically active substances according to EN 60721-3-6  to mechanically active substances according to EN 60721-3-6  to chemically active substances according to EN 60721-3-6  to mechanically active substances according to EN 60721-3-6  to mechanically active substances according to EN 60721-3-6  To mechanically active substances according to EN 60721-3-6  To chemically active substances according to EN 60721-3-3 (according	Relative humidity	
Coolants and lubricants  — Resistant to commercially available coolants and lubricants  Use in stationary industrial systems — to biologically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-6 — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C,  • Military testing according to MIL-I-46058C,  Yes; Class 1 (accidence and oil droplets in the air  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B2 on request  Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B3 incl. sand, dust, *  Yes; Class 3 (excluding trichlorethylene) to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  *The supplied plug covers must remain in place over the u		· · · · · · · · · · · · · · · · · · ·
- Resistant to commercially available coolants and lubricants  Use in stationary industrial systems  - to biologically active substances according to EN 60721-3-3 - to chemically active substances according to EN 60721-3-3 - to mechanically active substances according to EN 60721-3-3  Use on ships/at sea - to biologically active substances according to EN 60721-3-6 - to chemically active substances according to EN 60721-3-6 - to mechanically active substances according to EN 60721-3-6 - to mechanically active substances according to EN 60721-3-6 - to mechanically active substances according to EN 60721-3-6 - to mechanically active substances according to EN 60721-3-6 - to mechanically active substances according to EN 60721-3-6  Usage in industrial process technology - Against chemically active substances acc. to EN 60654-4 - Environmental conditions for process, measuring and control systems acc. to ANSI/SA-71.04  Remark - Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/SA-71.04  Conformal coading  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against foulling acc. to EN 60664-3 • Milittary testing according to MILI-46058C,  Yes; Class 3P2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B2 mold, fundus, it should, fundu	Resistance	
Use in stationary industrial systems  — to biologically active substances according to EN 60721-3-3 — to chemically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-6 — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C,  Ves; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B3 incl. sand, dust; *  Yes; Class 6B3 i	Coolants and lubricants	
Test Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request  Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  Yes; Class 3S4 incl. sand, dust, *  Yes; Class 3S4 incl. sand, dust, *  Yes; Class 3S4 incl. sand, dust, *  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6B3 incl. sand, dust, *  Yes; Class 6B3 incl. sand, dust; *  Yes; Class 3 (excluding trichlorethylene)  Yes; Class 3 (excluding trichlorethylen	-	Yes; Incl. diesel and oil droplets in the air
to EN 60721-3-3  — to chemically active substances according to EN 60721-3-3  — to mechanically active substances according according to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6  — to mechanically active substances according to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  — Coatings for printed circuit board assemblies acc. to EN 6064-3  — Protection against fouling acc. to EN 6064-3  — Willitary testing according to MIL-I-	Use in stationary industrial systems	
to EN 60721-3-3  — to mechanically active substances according to EN 60721-3-3  Use on ships/at sea  — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C,  *Yes; Class 3S4 incl. sand, dust, *  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-252 (severity degree 3); *  Yes; Class 6S3 incl. sand, dust, *  Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-252 (severity degree 3); *  Yes; Class 6S3 incl. sand, dust, *  Yes; Class 6S3 incl. sand, dust, *  Yes; Class 6S3 incl. sand, dust, *  Yes; Class 6S2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6S3 incl. sand, dust, *  Yes; Class 6S3 incl. sand, dust, *  Yes; Class 6S3 incl. sand, dust, *  Yes; Class 6S2 mold and fungal spores (excluding fauna); Class 6B3 on request		
Use on ships/at sea  — to biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C,  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2  Yes; Class 6S3 incl. sand, dust; *  Yes; Class 3 (excluding trichlorethylene)  Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high availability  Yes; Type 1 protection  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life	-	· · · · · · · · · · · · · · · · · · ·
Test biologically active substances according to EN 60721-3-6  — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C,  Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request  Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *  Yes; Class 6S3 incl. sand, dust; *  Yes; Class 3 (excluding trichlorethylene)  Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high availability  Yes; Type 1 protection  Yes; Type 1 protection		Yes; Class 3S4 incl. sand, dust, *
to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6  Usage in industrial process technology — Against chemically active substances acc. to EN 60654-4 — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086 • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C,	Use on ships/at sea	
to EN 60721-3-6  — to mechanically active substances according to EN 60721-3-6  Usage in industrial process technology  — Against chemically active substances acc. to EN 60654-4  — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • Military testing according to MIL-I-46058C,  • Severity degree 3); *  Yes; Class 6S3 incl. sand, dust; *  Yes; Class 3 (excluding trichlorethylene)  Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high availability  Yes; Type 1 protection  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life		
usage in industrial process technology  — Against chemically active substances acc. to EN 60654-4  — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • Military testing according to MIL-I-46058C,  Yes; Class 3 (excluding trichlorethylene)  Yes; Class 3 (excluding trichlorethylene)  Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high availability  Yes; Type 1 protection  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life	•	• • •
- Against chemically active substances acc. to EN 60654-4  - Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark  - Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • Military testing according to MIL-I-46058C,  Yes; Class 3 (excluding trichlorethylene)  Yes; Class 3 (excluding trichlorethylene)  Yes; Class 3 (excluding trichlorethylene)  Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high availability  Yes; Type 1 protection  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life	•	Yes; Class 6S3 incl. sand, dust; *
to EN 60654-4  — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04  Remark  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3  • Military testing according to MIL-I-46058C,  Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high availability  Yes; Type 1 protection  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life	Usage in industrial process technology	
measuring and control systems acc. to ANSI/ISA-71.04 concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  Remark  — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C,  Concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)  * The supplied plug covers must remain in place over the unused interfaces during operation!  Yes; Class 2 for high availability  Yes; Type 1 protection  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life		Yes; Class 3 (excluding trichlorethylene)
<ul> <li>Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> <li>* The supplied plug covers must remain in place over the unused interfaces during operation!</li> <li>* Conformal coating</li> <li>* Coatings for printed circuit board assemblies acc. to EN 61086</li> <li>Protection against fouling acc. to EN 60664-3</li> <li>* Military testing according to MIL-I-46058C,</li> <li>* The supplied plug covers must remain in place over the unused interfaces during operation!</li> <li>Yes; Class 2 for high availability</li> <li>Yes; Type 1 protection</li> <li>Yes; Type 1 protection</li> <li>Yes; Discoloration of coating possible during service life</li> </ul>	measuring and control systems acc. to	concentrations up to the limits of EN 60721-3-3 class 3C4
environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04  Conformal coating  • Coatings for printed circuit board assemblies acc. to EN 61086  • Protection against fouling acc. to EN 60664-3 • Military testing according to MIL-I-46058C,  interfaces during operation!  Yes; Class 2 for high availability  Yes; Type 1 protection  Yes; Type 1 protection  Yes; Discoloration of coating possible during service life	Remark	
<ul> <li>Coatings for printed circuit board assemblies acc. to EN 61086</li> <li>Protection against fouling acc. to EN 60664-3</li> <li>Military testing according to MIL-I-46058C,</li> <li>Yes; Class 2 for high availability</li> <li>Yes; Type 1 protection</li> <li>Yes; Type 1 protection</li> <li>Yes; Discoloration of coating possible during service life</li> </ul>	environmental conditions acc. to EN 60721,	
<ul> <li>acc. to EN 61086</li> <li>Protection against fouling acc. to EN 60664-3</li> <li>Military testing according to MIL-I-46058C,</li> <li>Yes; Type 1 protection</li> <li>Yes; Discoloration of coating possible during service life</li> </ul>	Conformal coating	
<ul> <li>Military testing according to MIL-I-46058C,</li> <li>Yes; Discoloration of coating possible during service life</li> </ul>		Yes; Class 2 for high availability
	<ul> <li>Protection against fouling acc. to EN 60664-3</li> </ul>	Yes; Type 1 protection
		Yes; Discoloration of coating possible during service life

 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Yes; Conformal coating, Class A

Operating systems	
Operating systems proprietary	No
pre-installed operating system	140
Windows CE	Yes
Configuration	
Message indicator	Yes
Alarm system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe management	Yes
Configuration software	
STEP 7 Basic (TIA Portal)	No
STEP 7 Professional (TIA Portal)	No
<ul> <li>WinCC flexible Compact</li> </ul>	No
<ul> <li>WinCC flexible Standard</li> </ul>	No
<ul> <li>WinCC flexible Advanced</li> </ul>	No
<ul> <li>WinCC Basic (TIA Portal)</li> </ul>	No
<ul> <li>WinCC Comfort (TIA Portal)</li> </ul>	Yes; from V11
<ul> <li>WinCC Advanced (TIA Portal)</li> </ul>	Yes; from V11
<ul> <li>WinCC Professional (TIA Portal)</li> </ul>	Yes; from V11
Languages	
Online languages	
Number of online/runtime languages	32
Project languages	
● Languages per project	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Applications/options	
<ul> <li>Web browser</li> </ul>	Yes
Pocket Word	Yes
Pocket Excel	Yes
PDF Viewer	Yes
Media Player	Yes
SIMATIC WinCC Sm@rtServer	Yes
SIMATIC WinCC Audit	Yes
Number of Visual Basic Scripts	Yes
Task planner	
• time-controlled	Yes
• time-controlled	165

• task-controlled	Yes
Help system	
<ul> <li>Number of characters per info text</li> </ul>	70
Message system	
<ul> <li>Number of alarm classes</li> </ul>	32
Bit messages	
<ul> <li>Number of bit messages</li> </ul>	4 000
<ul> <li>Analog messages</li> </ul>	
<ul> <li>Number of analog messages</li> </ul>	200
<ul> <li>S7 alarm number procedure</li> </ul>	Yes
<ul> <li>System messages HMI</li> </ul>	Yes
<ul> <li>System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)</li> </ul>	Yes
<ul> <li>Number of characters per message</li> </ul>	80
<ul> <li>Number of process values per message</li> </ul>	8
<ul> <li>Acknowledgment groups</li> </ul>	Yes
Message indicator	Yes
Message buffer	
<ul><li>Number of entries</li></ul>	1 024
— Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	
Number of recipes	300
<ul> <li>Data records per recipe</li> </ul>	500
Entries per data record	1 000
<ul> <li>Size of internal recipe memory</li> </ul>	2 Mbyte
<ul> <li>Recipe memory expandable</li> </ul>	Yes
Variables	
<ul> <li>Number of variables per device</li> </ul>	2 048
<ul> <li>Number of variables per screen</li> </ul>	400
• Limit values	Yes
<ul><li>Multiplexing</li></ul>	Yes
• Structures	Yes
• Arrays	Yes
Images	
<ul> <li>Number of configurable images</li> </ul>	500
<ul> <li>Permanent window/default</li> </ul>	Yes
Global image	Yes
<ul><li>Image selection by PLC</li></ul>	Yes
<ul> <li>Image number in the PLC</li> </ul>	Yes
Image objects	

<ul> <li>Number of objects per image</li> </ul>	400
• Text fields	Yes
• I/O fields	Yes
<ul> <li>Graphic I/O fields (graphics list)</li> </ul>	Yes
<ul> <li>Symbolic I/O fields (text list)</li> </ul>	Yes
Date/time fields	Yes
• Switches	Yes
• Buttons	Yes
Graphic display	Yes
• Icons	Yes
Geometric objects	Yes
Complex image objects	
Number of complex objects per screen	20
Alarm view	Yes
• Trend view	Yes
• User view	Yes
Status/control	Yes
<ul><li>Sm@rtClient view</li></ul>	Yes
• Recipe view	Yes
• f(x) trend view	Yes
<ul> <li>System diagnostics view</li> </ul>	Yes
Media Player	Yes
Bar graphs	Yes
• Sliders	Yes
<ul> <li>Pointer instruments</li> </ul>	Yes
Analog/digital clock	Yes
Lists	
<ul> <li>Number of text lists per project</li> </ul>	500
<ul> <li>Number of entries per text list</li> </ul>	500
<ul> <li>Number of graphics lists per project</li> </ul>	500
<ul> <li>Number of entries per graphics list</li> </ul>	500
Archiving	
Number of archives per device	50
<ul> <li>Number of entries per archive</li> </ul>	20 000
Message archive	Yes
<ul> <li>Process value archive</li> </ul>	Yes
<ul><li>Archiving methods</li></ul>	
<ul> <li>Sequential archive</li> </ul>	Yes
— Short-term archive	Yes
<ul> <li>Memory location</li> </ul>	
— Memory card	Yes

Ethernet   Yes	— USB memory	Yes
- CSV		
- TXT		Yes
Number of user groups   50		
Number of user groups   50		
Number of user groups     Number of user rights     Number of users     Number of user gights     Number of users     Number of user gights     Number of users     Number of users		
Number of user rights     Number of users     Number of users     Password export/import     Yes     SIMATIC Logon     Yes     SIMATIC Logon     Yes  Logging through printer      Alarms     Report (shift log)     Yes     Neyboard fonts     — Us English     Yes     Yes     Report (upload/download)      MPI/PROFIBUS DP     Yes     Report (upload/download)      Yes     Report (upload/		50
Number of users     Password export/import     SIMATIC Logon     Yes     SIMATIC Logon     Yes  Logging through printer      Alarms	- '	32
● Password export/import         Yes           ● SIMATIC Logon         Yes           Logging through printer         Yes           ● Alarms         Yes           ● Report (shift log)         Yes           ● Hardcopy         Yes           ● Electronic print to file         Yes, PDF, HTML           Character sets           ● Keyboard fonts         —US English           —US English         Yes           ● USE (Piper Library Properties)         Yes           • USB         Yes           • Ethernet         Yes           • Ethernet         Yes           • USB         Yes           • Ethernet         Yes           • S7-1200         Yes           • S7-200         Yes           • S7-200         Yes           • S7-300/400         Yes           • UGO!         Yes           • SINUMERIK         No           • SIMOTION         No; With WinCC, subsequent version           • Allen Bradley (DF1)         Yes           • Allen Bradley (DF1)         Yes           • Mitsubishi (MX TCP/IP)         Yes           • Mitsubishi (FX)         Yes           • OMRON (FINS TCP)		50
SIMATIC Logon   Yes		Yes
Logging through printer		Yes
Report (shift log)     Hardcopy     Yes     Electronic print to file     Yes; PDF, HTML  Character sets      Keyboard fonts     — US English     Yes      Transfer (upload/download)      MPI/PROFIBUS DP     Yes     USB     Sethernet     using external storage medium     No  Process coupling      S7-1200     Yes     S7-1500     Yes     S7-200     Yes     S7-300/400     Yes     SINUMERIK     No     SINUMERIK     SINUMERIK     SINOTION     Allen Bradley (EtherNet/IP)     Allen Bradley (DF1)     Mitsubishi (MC TCP/IP)     Mitsubishi (FX)     OMRON (FINS TCP)     OMRON (FINS TCP)     OMRON (LINK/Multilink)  Pres  Ves  Yes  Yes  Yes  Yes  Yes  Yes  Y		
# Hardcopy  • Electronic print to file  Character sets  • Keyboard fonts  — US English  Transfer (upload/download)  • MPI/PROFIBUS DP  • USB  • Ethernet  • using external storage medium  Process coupling  • \$7-1200  • \$7-1200  • \$7-1200  • \$7-300/400  • \$7-300/400  • UGGO!  • WinAC  • SINUMERIK  • SINUMERIK  • SIMOTION  • Allen Bradley (EtherNet/IP)  • Allen Bradley (DF1)  • Mitsubishi (MC TCP/IP)  • Mitsubishi (FX)  • OMRON (FINS TCP)  • OMRON (LINK/Multilinik)   *Yes  *Yes  Yes  Yes  Yes  Yes  Yes	Alarms	Yes
Hardcopy     Electronic print to file     Yes; PDF, HTML  Character sets      Keyboard fonts     — US English     Yes  Transfer (upload/download)      MPI/PROFIBUS DP     Yes     USB     Ves     Ethernet     vising external storage medium     No  Process coupling      S7-1200     Yes     S7-1500     Yes     S7-200     Yes     S7-200     Yes     S7-300/400     Yes     SINUMERIK     No     SINUMERIK     No     Allen Bradley (EtherNet/IP)     Allen Bradley (EtherNet/IP)     Mitsubishi (MC TCP/IP)     Mitsubishi (MC TCP/IP)     Mitsubishi (FX)     OMRON (FINS TCP)     OMRON (LINK/Multilink)  Yes  Ves  Yes     Yes     No     No     No     No     No     No     No     OMRON (LINK/Multilink)  Yes  OMRON (LINK/Multilink)  Yes   OMRON (LINK/Multilink)  Yes   OMRON (LINK/Multilink)  Yes   OMRON (LINK/Multilink)	• Report (shift log)	Yes
	Hardcopy	Yes
		Yes; PDF, HTML
— US English         Yes           Transfer (upload/download)         • MPI/PROFIBUS DP         Yes           • USB         Yes         • Ethernet         Yes           • using external storage medium         No           Process coupling           • \$7-1200         Yes           • \$7-200         Yes           • \$7-200         Yes           • LOGO!         Yes           • WinAC         Yes           • SINUMERIK         No           • SINUMERIK         No; With WinCC, subsequent version           • Allen Bradley (EtherNet/IP)         Yes           • Allen Bradley (DF1)         Yes           • Mitsubishi (MC TCP/IP)         Yes           • Mitsubishi (FX)         Yes           • OMRON (FINS TCP)         No           • OMRON (LINK/Multilink)         Yes		
Transfer (upload/download)           • MPI/PROFIBUS DP         Yes           • USB         Yes           • Ethernet         Yes           • using external storage medium         No           Process coupling           • S7-1200         Yes           • S7-1500         Yes           • S7-200         Yes           • S7-300/400         Yes           • LOGO!         Yes           • WinAC         Yes           • SINUMERIK         No           • SIMOTION         No; With WinCC, subsequent version           • Allen Bradley (EtherNet/IP)         Yes           • Allen Bradley (DF1)         Yes           • Mitsubishi (MC TCP/IP)         Yes           • Mitsubishi (FX)         Yes           • OMRON (FINS TCP)         No           • OMRON (LINK/Multilink)         Yes	Keyboard fonts	
	— US English	Yes
■ USB     ■ Ethernet     ■ Using external storage medium     No  Process coupling      ■ S7-1200     ■ S7-1500     ■ S7-200     ■ S7-200     ■ S7-300/400     ■ S7-300/400     ■ LOGO!     ■ WinAC     ■ WinAC     ■ SINUMERIK     ■ SINUMERIK     ■ SIMOTION     ■ Allen Bradley (EtherNet/IP)     ■ Allen Bradley (DF1)     ■ Mitsubishi (MC TCP/IP)     ■ Mitsubishi (FX)     ● OMRON (FINS TCP)     ● OMRON (LINK/Multilink)     Yes     ● OMRON (LINK/Multilink)     Yes     ● OMRON (LINK/Multilink)     Yes	Transfer (upload/download)	
<ul> <li>Ethernet</li> <li>using external storage medium</li> <li>No</li> <li>Process coupling</li> <li>S7-1200</li> <li>Yes</li> <li>S7-1500</li> <li>Yes</li> <li>S7-200</li> <li>Yes</li> <li>S7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>No</li> <li>OMRON (LINK/Multilink)</li> <li>Yes</li> </ul>	MPI/PROFIBUS DP	Yes
● using external storage medium         No           Process coupling           ● S7-1200         Yes           ● S7-1500         Yes           ● S7-200         Yes           ● S7-300/400         Yes           ● LOGO!         Yes           ● WinAC         Yes           ● SINUMERIK         No           ● SIMOTION         No; With WinCC, subsequent version           ● Allen Bradley (EtherNet/IP)         Yes           ● Allen Bradley (DF1)         Yes           ● Mitsubishi (MC TCP/IP)         Yes           ● Mitsubishi (FX)         Yes           ● OMRON (FINS TCP)         No           ● OMRON (LINK/Multilink)         Yes	• USB	Yes
Process coupling         • S7-1200       Yes         • S7-1500       Yes         • S7-200       Yes         • S7-300/400       Yes         • LOGO!       Yes         • WinAC       Yes         • SINUMERIK       No         • SIMOTION       No; With WinCC, subsequent version         • Allen Bradley (EtherNet/IP)       Yes         • Allen Bradley (DF1)       Yes         • Mitsubishi (MC TCP/IP)       Yes         • Mitsubishi (FX)       Yes         • OMRON (FINS TCP)       No         • OMRON (LINK/Multilink)       Yes	• Ethernet	Yes
<ul> <li>\$7-1200</li> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>\$1-300/400</li> <li>\$1-</li></ul>	<ul> <li>using external storage medium</li> </ul>	No
<ul> <li>\$7-1500</li> <li>\$7-200</li> <li>\$7-300/400</li> <li>\$Yes</li> <li>\$LOGO!</li> <li>\$WinAC</li> <li>\$SINUMERIK</li> <li>\$SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Yes</li> <li>Yes</li> </ul>	Process coupling	
<ul> <li>S7-200</li> <li>S7-300/400</li> <li>Yes</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Yes</li> <li>Yes</li> </ul>	• S7-1200	Yes
<ul> <li>S7-300/400</li> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Yes</li> <li>Yes</li> </ul>	• S7-1500	Yes
<ul> <li>LOGO!</li> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Yes</li> </ul>	• S7-200	Yes
<ul> <li>WinAC</li> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> </ul>	• S7-300/400	Yes
<ul> <li>SINUMERIK</li> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> </ul>	• LOGO!	Yes
<ul> <li>SIMOTION</li> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>No; With WinCC, subsequent version</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>OMRON (LINK/Multilink)</li> </ul>	• WinAC	Yes
<ul> <li>Allen Bradley (EtherNet/IP)</li> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> </ul>	• SINUMERIK	No
<ul> <li>Allen Bradley (DF1)</li> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> </ul>	• SIMOTION	No; With WinCC, subsequent version
<ul> <li>Mitsubishi (MC TCP/IP)</li> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> </ul> Yes <ul> <li>OMRON (LINK/Multilink)</li> </ul>	<ul> <li>Allen Bradley (EtherNet/IP)</li> </ul>	Yes
<ul> <li>Mitsubishi (FX)</li> <li>OMRON (FINS TCP)</li> <li>OMRON (LINK/Multilink)</li> <li>Yes</li> </ul>	<ul><li>Allen Bradley (DF1)</li></ul>	Yes
OMRON (FINS TCP)  OMRON (LINK/Multilink)  No  Yes	Mitsubishi (MC TCP/IP)	Yes
OMRON (LINK/Multilink)  Yes	<ul><li>Mitsubishi (FX)</li></ul>	Yes
	• OMRON (FINS TCP)	No
Modicon (Modbus TCP/IP)     Yes	<ul><li>OMRON (LINK/Multilink)</li></ul>	Yes
	<ul><li>Modicon (Modbus TCP/IP)</li></ul>	Yes

Modicon (Modbus)	Yes
Service tools/configuration aids	
Backup/Restore manually	Yes
Backup/Restore automatically	Yes
Simulation	Yes
Device switchover	Yes
Peripherals/Options	
Peripherals	
• Printer	Yes
SIMATIC HMI MM memory card: Multi Media	Yes
Card	
SIMATIC HMI SD memory card: Secure Digital	Yes
memory card	
USB memory	Yes
Mechanics/material	
Enclosure material (front)	
• Plastic	No
Aluminum	Yes
• Stainless steel	No
Dimensions	
Width of the housing front	454 mm
Height of housing front	289 mm
Mounting cutout, width	434 mm
Mounting cutout, height	269 mm
Overall depth	65 mm
Weights	
Weight without packaging	4.4 kg
Weight incl. packaging	5.7 kg
last modified:	08/31/2019