SIEMENS

Data sheet

6AG1124-0QC13-2AX0



SIPLUS HMI TP1500 Comfort Outdoor based on 6AV2124-0QC13-0AX0 with conformal coating, -30...+60 °C, TP1500 Comfort Outdoor, Comfort Panel, touch operation, 15" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0, configurable WinCC Comfort V13 SP1 and higher, HSP

General information	
Product type designation	TP1500 Outdoor
Display	
Design of display	TFT, bonded, daylight-readable
Screen diagonal	15.4 in
Display width	331.2 mm
Display height	207 mm
Number of colors	16 777 216
Resolution (pixels)	
 Horizontal image resolution 	1 280 pixel
Vertical image resolution	800 pixel
Backlighting	
 MTBF backlighting (at 25 °C) 	50 000 h
 Backlight dimmable 	Yes; LED, can be dimmed manually or automatically
Control elements	
Keyboard fonts	
 Function keys 	
 — Number of function keys 	0
 — Number of function keys with LEDs 	0
 Keys with LED 	No
 System keys 	No
 Numeric keyboard 	Yes; Onscreen keyboard
alphanumeric keyboard	Yes; Onscreen keyboard
Touch operation	
Design as touch screen	Yes; Analog-resistive
Expansions for operator control of the process	
 DP direct LEDs (LEDs as S7 output I/O) 	
— F1Fx	0
 Direct keys (keys as S7 input I/O) 	
— F1Fx	0
 Direct keys (touch buttons as S7 input I/O) 	40
Installation type/mounting	
Mounting position	vertical
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without external ventilation	35°
Supply voltage	
Type of supply voltage	DC

Pated value (DC)	24 V
Rated value (DC) permissible range, lower limit (DC)	24 V 19.2 V
permissible range, upper limit (DC)	19.2 V 28.8 V
	20.0 V
Input current	4.0.4
Current consumption (rated value)	1.3 A
Starting current inrush I ² t	0.5 A ² ·s
Power	
Active power input, typ.	32 W
Processor	
Processor type	X86
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	12 Mbyte
Type of output	
Info LED	No
Power LED	No
Error LED	No
Acoustics	
• Buzzer	No
Speaker	Yes
Time of day	
Clock	
 Hardware clock (real-time) 	Yes
Software clock	No
retentive	Yes; Back-up duration typically 6 weeks
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	
With software interfaces Industrial Ethernet	2 No
With software interfaces Industrial Ethernet • Industrial Ethernet status LED	2 No 2
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch	2 No
With software interfaces Industrial Ethernet • Industrial Ethernet status LED	2 No 2
With software interfaces Industrial Ethernet Industrial Ethernet status LED Number of ports of the integrated switch Protocols PROFINET	2 No 2
With software interfaces Industrial Ethernet Industrial Ethernet status LED Number of ports of the integrated switch Protocols	2 No 2 2
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT	2 No 2 2 2 Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS	2 No 2 2 Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP	2 No 2 2 2 Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI	2 No 2 2 Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet)	2 No 2 2 2 Yes Yes Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP	2 No 2 2 Yes Yes Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP	2 No 2 2 7 Yes Yes Yes Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP	2 No 2 2 2 Yes Yes Yes Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • SNMP • DCP	2 No 2 2 2 Yes Yes Yes Yes Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet Industrial Ethernet status LED Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) TCP/IP DHCP SNMP DCP LLDP	2 No 2 2 2 Yes Yes Yes Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics	2 No 2 2 2 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics • HTTP	2 No 2 2 2 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP • SNMP • DCP • LLDP WEB characteristics	2 No 2 2 2 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

• XML	No
• CSS	Yes
Active X	No
 JavaScript 	Yes
• Java VM	No
Redundancy mode	
Media redundancy	
— MRP	Yes
Further protocols	
• CAN	No
MODBUS	Yes
EMC	
Emission of radio interference acc. to EN 55 011	
Limit class A, for use in industrial areas	Yes
Limit class A, for use in industrial areas	No
	110
Degree and class of protection	
IP (at the front)	IP66
IP (rear)	IP20
NEMA (front)	
 Enclosure Type 4 at the front 	Yes
 Enclosure Type 4x at the front 	Yes
Standards, approvals, certificates	
Marine approval	
Compass working clearance	5 m
Ambient conditions	
Suited for indoor use	Yes
Suited for outdoor use	Yes; Powder-coated, UV resistant
Ambient temperature during operation	res, rowder-coaled, ov resistant
Operation (vertical installation)	$20 ^{\circ}\text{Ct}$ – Tmin
— For vertical installation, min.	-30 °C; = Tmin
— For vertical installation, max.	60 °C; (55 °C, see entry ID: 64847814)
Operation (max. tilt angle)	00.00 T :
— At maximum tilt angle, min.	-30 °C; = Tmin
— At maximum tilt angle, max.	50 °C; = Tmax
Operation (vertical installation, portrait format)	
— For vertical installation, min.	-30 °C; = Tmin
— For vertical installation, max.	50 °C; = Tmax
Operation (max. tilt angle, portrait format)	
— At maximum tilt angle, min.	-30 °C; = Tmin
— At maximum tilt angle, max.	45 °C; = Tmax
Ambient temperature during storage/transportation	
• min.	-30 °C
• max.	70 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	5 000 m
Ambient air temperature-barometric pressure-	Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin
altitude	(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 +5 000 m)
Relative humidity	
 With condensation, tested in accordance with IEC 60068-2-38, max. 	100 %; RH incl. condensation/frost (no commissioning when condensation present), vertical mounting position
Resistance	
Coolants and lubricants	
 Resistant to commercially available coolants and lubricants 	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
— to biologically active substances according to	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of
EN 60721-3-3	fauna); Class 3B3 on request
to chemically active substances according to	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52
EN 60721-3-3	(severity degree 3); *
 — to mechanically active substances according to 	Yes; Class 3S4 incl. sand, dust, *

EN 00704 0.0	
EN 60721-3-3	
Use on ships/at sea — to biologically active substances according to	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on
EN 60721-3-6 — to chemically active substances according to	request Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52
EN 60721-3-6	(severity degree 3); *
 — to mechanically active substances according to EN 60721-3-6 	Yes; Class 6S3 incl. sand, dust; *
Usage in industrial process technology	
 Against chemically active substances acc. to EN 60654-4 	Yes; Class 3 (excluding trichlorethylene)
 Environmental conditions for process, measuring and control systems acc. to ANSI/ISA- 71.04 	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)
Remark	
 — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 	* The supplied plug covers must remain in place over the unused interfaces during operation!
Conformal coating	
 Coatings for printed circuit board assemblies acc. to EN 61086 	Yes; Class 2 for high reliability
 Protection against fouling acc. to EN 60664-3 	Yes; Type 1 protection
 Military testing according to MIL-I-46058C, Amendment 7 	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	
proprietary	No
pre-installed operating system	
Windows CE	Yes
configuration / header	
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
WinCC flexible Compact	No
WinCC flexible Standard	No
WinCC flexible Advanced	No
WinCC Basic (TIA Portal)	No
WinCC Comfort (TIA Portal)	Yes
WinCC Advanced (TIA Portal)	Yes
WinCC Professional (TIA Portal)	Yes
Languages	
Online languages	22
Number of online/runtime languages	32
Project languages	22
Languages per project	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Applications/options	
Web browser	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
task-controlled	Yes
Message system	
Number of alarm classes	32
Bit messages	
— Number of bit messages	4 000
Analog messages	
— Number of analog messages	200
S7 alarm number procedure	Yes
System messages HMI	Yes
System event, more (SIMATIC S7, SINUMERIK,	Yes
SIMOTION,)	
 Number of characters per message 	80
 Number of process values per message 	8
 Acknowledgment groups 	Yes
Message indicator	Yes
Recipe management	
Number of recipes	300
 Data records per recipe 	500
 Entries per data record 	1 000
 Size of internal recipe memory 	2 Mbyte
 Recipe memory expandable 	Yes
Variables	
 Number of variables per device 	2 048
 Number of variables per screen 	400
Limit values	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	
Images Number of configurable images 	500
Images Number of configurable images Permanent window/default 	500 Yes
Images Number of configurable images Permanent window/default Global image	500 Yes Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC	500 Yes Yes Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC	500 Yes Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects	500 Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image	500 Yes Yes Yes Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields	500 Yes Yes Yes 400 Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields	500 Yes Yes Yes 400 Yes Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list)	500 Yes Yes Yes 400 Yes Yes Yes Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list)	500 Yes Yes Yes 400 Yes Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields	500 Yes Yes Yes 400 Yes Yes Yes Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches	500 Yes Yes Yes 400 Yes Yes Yes Yes Yes Yes Yes Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list) Date/time fields Switches Buttons	500 Yes Yes Yes 400 Yes Yes Yes Yes Yes Yes Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display	500 Yes Yes Yes 400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons	500 Yes Yes Yes 400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects	500 Yes Yes Yes 400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects	500 Yes Yes Yes 400 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects	500 Yes Yes Yes 400 Yes Y
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects Complex image objects • Number of complex objects per screen	500 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects Complex image objects • Number of complex objects per screen • Alarm view	500 Yes Yes Yes 400 Yes
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list) Date/time fields Switches Buttons Graphic display Icons Geometric objects Complex image objects Number of complex objects per screen Alarm view Trend view 	500 Yes Yes Yes Yes 400 Yes Y
Images Number of configurable images Permanent window/default Global image Image selection by PLC Image number in the PLC Image objects Number of objects per image Text fields I/O fields Graphic I/O fields (graphics list) Symbolic I/O fields (text list) Date/time fields Switches Buttons Graphic display Icons Geometric objects Complex image objects Number of complex objects per screen Alarm view User view Status/control 	500 Yes Yes Yes Yes 400 Yes Y
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects Complex image objects • Number of complex objects per screen • Alarm view • Trend view • User view • Status/control • Sm@rtClient view	500 Yes Y
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects Complex image objects Alarm view • Trend view • User view • Status/control • Sm@rtClient view • Recipe view	500 Yes Y
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (graphics list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects Complex image objects • Number of complex objects per screen • Alarm view • Trend view • User view • Status/control • Sm@rtClient view • f(x) trend view	500 Yes Yes Yes Yes 400 Yes Y
Images • Number of configurable images • Permanent window/default • Global image • Image selection by PLC • Image number in the PLC Image objects • Number of objects per image • Text fields • I/O fields • Graphic I/O fields (graphics list) • Symbolic I/O fields (text list) • Date/time fields • Switches • Buttons • Graphic display • Icons • Geometric objects Complex image objects Alarm view • Trend view • User view • Status/control • Sm@rtClient view • Recipe view	500 Yes Yes Yes Yes 400 Yes Y

	Vac Webser the see EAOs
IP camera display	Yes; Webcam type see FAQs
Bar graphs	Yes
• Sliders	Yes
Pointer instruments	Yes
Analog/digital clock	Yes
Lists	500
Number of text lists per project	500
Number of entries per text list	500
Number of graphics lists per project	500
Number of entries per graphics list	500
Archiving	50
Number of archives per device	50
Number of entries per archive	20 000
Message archive	Yes
Process value archive	Yes
Archiving methods	
— Sequential archive	Yes
— Short-term archive	Yes
Memory location	
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
 Data storage format 	
— CSV	Yes
— TXT	Yes
— RDB	Yes
Security	
 Number of user groups 	50
 Number of user rights 	32
 Number of users 	50
 Password export/import 	Yes
SIMATIC Logon	Yes
Logging through printer	
Alarms	Yes
 Report (shift log) 	Yes
Hardcopy	Yes
Electronic print to file	Yes; PDF, HTML
Character sets	
Keyboard fonts	
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
• Ethernet	Yes
using external storage medium	Yes; Backup/restore
Process coupling	
• S7-1200	Yes
• S7-1500	Yes
• S7-200	Yes
• S7-300/400	Yes
• LOGO!	Yes
• WinAC	Yes
• SINUMERIK	Yes; with SINUMERIK option package
SIMOTION	Yes
 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

Modicon (Modbus TCP/IP)	Yes
 Modicon (Modbus) 	Yes
OPC UA Client	Yes
OPC UA Server	Yes
Service tools/configuration aids	
 Backup/Restore manually 	Yes
 Backup/Restore automatically 	Yes
Simulation	Yes
Device switchover	Yes
Peripherals/Options	
Printer	Yes
SIMATIC HMI MM memory card: Multi Media Card	Yes
SIMATIC HMI SD memory card: Secure Digital memory card	Yes
SIMATIC HMI CF memory card Compact Flash Card	No
USB memory	Yes
SIMATIC IPC USB Flashdrive (USB stick)	Yes
SIMATIC HMI USB stick	Yes
Network camera	Yes; See FAQ Entry ID: 62383298 and entry ID: 65647473
Mechanics/material	
Enclosure material (front)	
Plastic	No
Aluminum	Yes; Powder-coated, UV resistant
Stainless steel	No
Dimensions	
Width of the housing front	415 mm
Height of housing front	310 mm
Mounting cutout, width	396 mm
Mounting cutout, height	291 mm
Overall depth	77 mm
Weights	
Weight (without packaging)	4 kg
Weight (with packaging)	6.2 kg
Other	
Note:	Power, quantity structure and performance correspond to a standard 12" Comfort Panel

last modified:

10/7/2021 🖸