SIEMENS

Data sheet

6AG1124-0JC01-4AX0

SIPLUS HMI TP900 Comfort based on 6AV2124-0JC01-0AX0 with conformal coating, 0...+50 $^\circ C,$



Figure similar

General information	
Product type designation	TP900 Comfort
Display	
Design of display	TFT
Screen diagonal	9 in
Display width	195 mm
Display height	117 mm
Number of colors	16 777 216
Resolution (pixels)	
 Horizontal image resolution 	800 pixel
 Vertical image resolution 	480 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 	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
Wall mounting/direct mounting	No
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
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
	20.0 V
Input current	0.75.4
Current consumption (rated value)	0.75 A
Starting current inrush I ² t	0.5 A²·s
Power	
Active power input, typ.	18 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	
Interfaces Number of industrial Ethernet interfaces	2
Number of industrial Ethernet interfaces	2 1: RS 422 / 485 combined
Number of industrial Ethernet interfaces Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces	1; RS 422 / 485 combined 1
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces	1; RS 422 / 485 combined 1 0
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces	1; RS 422 / 485 combined 1 0 2; USB 2.0
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY)	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of other interfaces	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 2
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of other interfaces Number of SD card slots With software interfaces	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of other interfaces Number of SD card slots	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 2 No
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 2
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 2 2 2
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Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet status LED • Number of ports of the integrated switch PROFINET Supports protocol for PROFINET IO IRT	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 2 2 2 2 Yes Yes Yes Sof WinCC V12
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 0 2 No 2 2 2 2 2 2 Yes Yes Yes; As of WinCC V12 Yes
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Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots 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)	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 2 2 2 Yes Yes Yes Yes; As of WinCC V12 Yes Yes Yes
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 0 2 No 7 Yes Yes Yes Yes Yes Yes Yes Yes
Number of industrial Ethernet interfaces Number of RS 485 interfaces Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces • USB Mini B Number of 20 mA interfaces (TTY) Number of parallel interfaces Number of other interfaces Number of SD card slots With software interfaces Industrial Ethernet • Industrial Ethernet • Number of ports of the integrated switch Protocols PROFINET Supports protocol for PROFINET IO IRT PROFIBUS EtherNet/IP MPI Protocols (Ethernet) • TCP/IP • DHCP	1; RS 422 / 485 combined 1 0 2; USB 2.0 1; 5-pole 0 0 0 0 2 No 2 2 2 2 2 2 Yes Yes Yes Yes Yes Yes Yes Yes
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• HTTPS	No
• HTML	Yes
• XML	No
• CSS	Yes
Active X	No
 JavaScript 	Yes
● Java VM	No
Redundancy mode	
Media redundancy	
— MRP	Yes; As of WinCC V12
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 B, for use in residential areas	No
Degree and class of protection	
	IP65
IP (at the front) IP (rear)	IP20
NEMA (front)	
	Yes
Enclosure Type 4 at the front	
Enclosure Type 4x at the front	Yes
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)	
— At maximum tilt angle, min.	0 °C; = Tmin
— At maximum tilt angle, max.	40 °C; = Tmax
Operation (vertical installation, portrait format)	
 For vertical installation, min. 	0 °C; = Tmin
— For vertical installation, max.	40 °C; = Tmax
Operation (max. tilt angle, portrait format)	
— At maximum tilt angle, min.	0 °C; = Tmin
— At maximum tilt angle, max.	35 °C; = Tmax
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °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 under condensation conditions)
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 EN 60721-3-3 	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
EN 60721-3-3 — to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52
 — to mechanically active substances according to 	(severity degree 3); * Yes; Class 3S4 incl. sand, dust, *
EN 60721-3-3	

Use on ships/at sea	
 — to biologically active substances according to EN 60721-3-6 	Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request
 to chemically active substances according to EN 60721-3-6 	Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (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	110
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	103
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 Textble Advanced WINCC Basic (TIA Portal)	No
,	
WinCC Comfort (TIA Portal)	Yes; from V11
WinCC Advanced (TIA Portal)	Yes; from V11
WinCC Professional (TIA Portal)	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	
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	100
Number of alarm classes	32
Bit messages	0 <u>2</u>
— Number of bit messages	4 000
Analog messages	4 000
— Number of analog messages	200
S7 alarm number procedure	Yes
System messages HMI	Yes
System messages film System event, more (SIMATIC S7, SINUMERIK,	Yes
SIMOTION,)	165
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	
Number of configurable images	500
Permanent window/default	Yes
Global image	Yes
 Image selection by PLC 	Yes
Image number in the PLC	Yes
Image objects	
Number of objects per image	400
Text fields	Yes
● I/O fields	Yes
 Graphic I/O fields (graphics list) 	Yes
Symbolic I/O fields (text list)	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
Sm@rtClient view	Yes
Recipe view	Yes
• f(x) trend view	Yes
System diagnostics view	Yes
Media Player	Yes
Bar graphs	Yes
- Dai giapito	

Sliders	Yes
Pointer instruments	Yes
Analog/digital clock	Yes
Lists	
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	500
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	100
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
— US English Transfer (upload/download)	Yes
— US English	Yes Yes
— US English Transfer (upload/download)	
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet 	Yes Yes Yes
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium 	Yes Yes
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling 	Yes Yes Yes No
US English Transfer (upload/download) • MPI/PROFIBUS DP • USB • Ethernet • using external storage medium Process coupling • S7-1200	Yes Yes Yes No Yes
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1500 	Yes Yes Yes No Yes Yes
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 	Yes Yes Yes No Yes Yes Yes
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 \$7-200 \$7-300/400 	Yes Yes Yes No Yes Yes Yes Yes
US English Transfer (upload/download) • MPI/PROFIBUS DP • USB • Ethernet • using external storage medium Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO!	Yes Yes Yes No Yes Yes Yes Yes Yes
US English Transfer (upload/download) • MPI/PROFIBUS DP • USB • Ethernet • using external storage medium Process coupling • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC	Yes Yes Yes No Yes Yes Yes Yes Yes Yes
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 \$7-200 \$7-300/400 LOGO! WinAC \$INUMERIK 	Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes; with SINUMERIK option package
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1500 \$7-200 \$7-300/400 LOGO! WinAC \$INUMERIK \$IMOTION 	Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
US English Transfer (upload/download) • MPI/PROFIBUS DP • USB • Ethernet • using external storage medium Process coupling • S7-1200 • S7-1200 • S7-1500 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK • SINUMERIK • SIMOTION • Allen Bradley (EtherNet/IP)	Yes Yes Yes No Yes Yes Yes Yes Yes Yes; with SINUMERIK option package No; With WinCC, subsequent version Yes
US English Transfer (upload/download) • MPI/PROFIBUS DP • USB • Ethernet • using external storage medium Process coupling • S7-1200 • S7-1500 • S7-1500 • S7-200 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK • SINUMERIK • SIMOTION • Allen Bradley (EtherNet/IP) • Allen Bradley (DF1)	Yes Yes Yes No Yes Yes Yes Yes Yes Yes; with SINUMERIK option package No; With WinCC, subsequent version Yes Yes
US English Transfer (upload/download) • MPI/PROFIBUS DP • USB • Ethernet • using external storage medium Process coupling • S7-1200 • S7-1500 • S7-200 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK • SINUMERIK • SINUMERIK • SINOTION • Allen Bradley (EtherNet/IP) • Allen Bradley (DF1) • Mitsubishi (MC TCP/IP)	Yes Yes Yes No Yes Yes Yes Yes Yes Yes; with SINUMERIK option package No; With WinCC, subsequent version Yes Yes
US English Transfer (upload/download) • MPI/PROFIBUS DP • USB • Ethernet • using external storage medium Process coupling • S7-1200 • S7-1500 • S7-200 • S7-200 • S7-300/400 • LOGO! • WinAC • SINUMERIK • SINUMERIK • SINUMERIK • SIMOTION • Allen Bradley (EtherNet/IP) • Allen Bradley (DF1) • Mitsubishi (MC TCP/IP) • Mitsubishi (FX)	Yes Yes Yes No Yes Yes Yes Yes Yes Yes; with SINUMERIK option package No; With WinCC, subsequent version Yes Yes Yes
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1500 \$7-300/400 LOGO! WinAC \$INUMERIK \$INUMERIK \$IMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) 	Yes Yes Yes No Yes Yes Yes Yes Yes Yes; with SINUMERIK option package No; With WinCC, subsequent version Yes Yes Yes Yes Yes Yes Yes Yes
	Yes Yes Yes No Yes Yes Yes Yes Yes Yes; with SINUMERIK option package No; With WinCC, subsequent version Yes Yes Yes Yes Yes Yes
 US English Transfer (upload/download) MPI/PROFIBUS DP USB Ethernet using external storage medium Process coupling \$7-1200 \$7-1500 \$7-300/400 LOGO! WinAC \$INUMERIK \$INUMERIK \$IMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) 	Yes Yes Yes No Yes Yes Yes Yes Yes Yes; with SINUMERIK option package No; With WinCC, subsequent version Yes Yes Yes Yes Yes Yes Yes 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
USB memory	Yes
Network camera	Yes
Mechanics/material	
Enclosure material (front)	
Enclosure material (front)Plastic	No
	No Yes
Plastic	
PlasticAluminum	Yes
 Plastic Aluminum Stainless steel 	Yes
Plastic Aluminum Stainless steel Dimensions	Yes No
Plastic Aluminum Stainless steel Dimensions Width of the housing front	Yes No 274 mm
Plastic Aluminum Stainless steel Dimensions Width of the housing front Height of housing front	Yes No 274 mm 190 mm
Plastic Aluminum Stainless steel Dimensions Width of the housing front Height of housing front Mounting cutout, width	Yes No 274 mm 190 mm 251 mm
Plastic Aluminum Stainless steel Dimensions Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height	Yes No 274 mm 190 mm 251 mm 166 mm
Plastic Aluminum Stainless steel Dimensions Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height Overall depth	Yes No 274 mm 190 mm 251 mm 166 mm
Plastic Aluminum Stainless steel Dimensions Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height Overall depth Weights	Yes No 274 mm 190 mm 251 mm 166 mm 63 mm