## SIEMENS

## Data sheet

## 6AV2144-8JC10-0AA0



SIMATIC HMI TP900 Comfort INOX Stainless steel front, Continuous decorative film, Degree of protection front IP66K, 9" widescreen TFT display, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0, (Microsoft Support included Security updates discontinued) configurable from WinCC Comfort V11

General information	
Product type designation	TP900 INOX
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)	
<ul> <li>Horizontal image resolution</li> </ul>	800 pixel
Vertical image resolution	480 pixel
Backlighting	
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	80 000 h
<ul> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %
Control elements	
Keyboard fonts	
<ul> <li>Function keys</li> </ul>	
<ul> <li>— Number of function keys</li> </ul>	0
<ul> <li>— Number of function keys with LEDs</li> </ul>	0
Keys with LED	No
<ul> <li>System keys</li> </ul>	No
<ul> <li>Numeric keyboard</li> </ul>	Yes; Onscreen keyboard
alphanumeric keyboard	Yes; Onscreen keyboard
Touch operation	
Design as touch screen	Yes
Expansions for operator control of the process	
<ul> <li>DP direct LEDs (LEDs as S7 output I/O)</li> </ul>	
— F1Fx	0
<ul> <li>Direct keys (keys as S7 input I/O)</li> </ul>	
— F1Fx	0
<ul> <li>Direct keys (touch buttons as S7 input I/O)</li> </ul>	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)	24.1/
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	0.75.4
Current consumption (rated value)	0.75 A
Starting current inrush I <sup>2</sup> t	0.5 A <sup>2</sup> ·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	
<ul> <li>Hardware clock (real-time)</li> </ul>	Yes
Software clock	Yes
retentive	Yes; Back-up duration typically 6 weeks
<ul> <li>synchronizable</li> </ul>	Yes
Interfaces	
Number of industrial Ethernet interfaces	1; 2 ports (switch)
Number of RS 485 interfaces	1; RS 422 / 485 combined
Number of RS 485 interfaces Number of RS 422 interfaces	
	1; RS 422 / 485 combined
Number of RS 422 interfaces	1; RS 422 / 485 combined 0; together with RS 485
Number of RS 422 interfaces Number of RS 232 interfaces	1; RS 422 / 485 combined 0; together with RS 485 0
Number of RS 422 interfaces Number of RS 232 interfaces Number of USB interfaces	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0
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 0; together with RS 485 0 2; USB 2.0 1; 5-pole
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	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0
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 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2
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	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0
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	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 2 No
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	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 2 No
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 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 2 No
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 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 2 No 2 2
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 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 2 No 2 2 2 2 2
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	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 2 2 4 Yes Yes
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	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 2 2 2 2 Yes Yes Yes Yes; As of WinCC V12
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	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 Yes Yes Yes Yes; As of WinCC V12 Yes
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	1; RS 422 / 485 combined         0; together with RS 485         0         2; USB 2.0         1; 5-pole         0         0         0         0         0         2         No         Yes         Yes; As of WinCC V12         Yes
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	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 Yes Yes Yes Yes; As of WinCC V12 Yes
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         0; together with RS 485         0         2; USB 2.0         1; 5-pole         0         0         0         0         2         No
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         0; together with RS 485         0         2; USB 2.0         1; 5-pole         0         0         0         0         2         2         2         2         2         2         Yes
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 (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)         • TCP/IP         • DHCP	1; RS 422 / 485 combined         0; together with RS 485         0         2; USB 2.0         1; 5-pole         0         0         0         0         0         2         Yes         Yes
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 (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         EtherNet/IP         MPI         Protocols (Ethernet)         • TCP/IP         • DHCP         • SNMP	1; RS 422 / 485 combined         0; together with RS 485         0         2; USB 2.0         1; 5-pole         0         0         0         0         0         0         0         0         0         0         0         0         0         2         No
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)         • TCP/IP         • DHCP         • SNMP         • DCP	1; RS 422 / 485 combined         0; together with RS 485         0         2; USB 2.0         1; 5-pole         0         0         0         0         0         0         0         0         0         0         0         0         0         2         No
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)         • TCP/IP         • DHCP         • SNMP         • DCP         • LLDP	1; RS 422 / 485 combined         0; together with RS 485         0         2; USB 2.0         1; 5-pole         0         0         0         0         0         0         0         0         0         0         0         0         0         2         No
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)         • TCP/IP         • DHCP         • SNMP         • DCP         • LLDP         WEB characteristics	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 0 2 No 2 Yes Yes Yes Yes Yes Yes Yes Yes
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         Protocols         PROFINET         Supports protocol for PROFINET IO         IRT         PROFIBUS         EtherNet/IP         MPI         Protocols (Ethernet)         • TCP/IP         • DHCP         • SNMP         • DCP         • LLDP         WEB characteristics         • HTTP	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 2 No 2 Yes Yes Yes Yes Yes Yes Yes Yes
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)         • TCP/IP         • DHCP         • SNMP         • DCP         • LLDP         WEB characteristics	1; RS 422 / 485 combined 0; together with RS 485 0 2; USB 2.0 1; 5-pole 0 0 0 0 2 No 2 Yes Yes Yes Yes Yes Yes Yes Yes

	N/
• XML	Yes
• CSS	Yes
Active X	Yes
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	
<ul> <li>Limit class A, for use in industrial areas</li> </ul>	Yes
<ul> <li>Limit class B, for use in residential areas</li> </ul>	No
Degree and class of protection	
IP (at the front)	IP66K
IP (rear)	IP20
NEMA (front)	
Enclosure Type 4x at the front	Yes; indoor use only
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
	Yes
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R) Use in hazardous areas	Tes
ATEX Zone 2	Yes
ATEX Zone 22	Yes
IECEx Zone 2	Yes
IECEx Zone 22	Yes
• cULus Class I Zone 1	No
cULus Class I Zone 2, Division 2	Yes
• FM Class I Division 2	No
Marine approval	
Germanischer Lloyd (GL)	No
American Bureau of Shipping (ABS)	No
<ul> <li>Bureau Veritas (BV)</li> </ul>	No
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	No
Polski Rejestr Statkow (PRS)	No
Ambient conditions	
Ambient temperature during operation	
Operation (vertical installation)	
<ul> <li>For vertical installation, min.</li> </ul>	0°C
— For vertical installation, max.	50 °C
Operation (max. tilt angle)	
— At maximum tilt angle, min.	0°C
— At maximum tilt angle, max.	40 °C
Operation (vertical installation, portrait format)	
— For vertical installation, min.	0°C
— For vertical installation, max.	40 °C
Operation (max. tilt angle, portrait format)	
— At maximum tilt angle, min.	0° 0
— At maximum tilt angle, max.	35 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	00 °C
Relative humidity	

Operation, max.	90 %; no condensation
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
<ul> <li>WinCC Basic (TIA Portal)</li> </ul>	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	
<ul> <li>Number of online/runtime languages</li> </ul>	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
<ul> <li>SIMATIC WinCC Sm@rtServer</li> </ul>	Yes
SIMATIC WinCC Audit	Yes
Number of Visual Basic Scripts	Yes
Task planner	
<ul> <li>time-controlled</li> </ul>	Yes
task-controlled	Yes
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
S7 alarm number procedure	Yes
System messages HMI	Yes
• System event, more (SIMATIC S7, SINUMERIK, SIMOTION, )	Yes
Number of characters per message	80
<ul> <li>Number of process values per message</li> </ul>	8
Acknowledgment groups	Yes
Message indicator	Yes
Recipe management	000
Number of recipes	300
Data records per recipe	500
Entries per data record     Size of internal recipe memory	1 000 2 Mbyte
Size of internal recipe memory     Recipe memory	2 Mbyte Yes
<ul> <li>Recipe memory expandable</li> </ul>	103

Variables	
Variables	2.040
Number of variables per device	2 048
Number of variables per screen	400
Limit values	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	
<ul> <li>Number of configurable images</li> </ul>	500
<ul> <li>Permanent window/default</li> </ul>	Yes
<ul> <li>Global image</li> </ul>	Yes
<ul> <li>Pop-up images</li> </ul>	Yes
Slide-in images	Yes
<ul> <li>Image selection by PLC</li> </ul>	Yes
<ul> <li>Image number in the PLC</li> </ul>	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
	105
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
HTML browser	Yes
PDF display	Yes
<ul> <li>IP camera display</li> </ul>	Yes
• Bar graphs	Yes
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	
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
	100

	Yes
— USB memory — Ethernet	Yes
	res
Data storage format     — CSV	Yes
— TXT	Yes
— RDB	Yes
Security	165
Number of user groups	50
Number of user rights	32
Number of users	50
<ul> <li>Password export/import</li> </ul>	Yes
SIMATIC Logon	Yes
Logging through printer	
• Alarms	Yes
<ul> <li>Report (shift log)</li> </ul>	Yes
Hardcopy	Yes
Electronic print to file	Yes; PDF, HTML
Character sets	
<ul> <li>Keyboard fonts</li> </ul>	
— US English	Yes
Transfer (upload/download)	
MPI/PROFIBUS DP	Yes
• USB	Yes
• Ethernet	Yes
using external storage medium	Yes
Process coupling	Ver
• S7-1200	Yes
• S7-1500 • S7-200	Yes
• \$7-200 • \$7-300/400	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
<ul> <li>OMRON (LINK/Multilink)</li> </ul>	Yes
Modicon (Modbus TCP/IP)	Yes
Modicon (Modbus)	Yes
OPC UA Client	Yes
OPC UA Server	Yes
Service tools/configuration aids	
<ul> <li>Backup/Restore manually</li> </ul>	Yes
<ul> <li>Backup/Restore automatically</li> </ul>	Yes
Simulation	Yes
Device switchover	Yes
Peripherals/Options	
Printer	Yes
SIMATIC HMI MM memory card: Multi Media Card	Yes; Up to 128 MB
SIMATIC HMI SD memory card: Secure Digital memory card	Yes; Up to 2 GB
SIMATIC HMI CF memory card Compact Flash Card	No
USB memory	Yes
SIMATIC IPC USB Flashdrive (USB stick)	Yes; Up to 16 GB
SIMATIC HMI USB stick	Yes; Up to 8 GB
Network camera	Yes
Mechanics/material	

Enclosure material (front)		
Plastic	No	
Aluminum	No	
<ul> <li>Stainless steel</li> </ul>	Yes	
Dimensions		
Width of the housing front	274 mm	
Height of housing front	190 mm	
Mounting cutout, width	250 mm	
Mounting cutout, height	166 mm	
Overall depth	65 mm	
Weights		
Weight (without packaging)	2.5 kg	
Weight (with packaging)	3.1 kg	

last modified:

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