## **SIEMENS**

## **Data sheet**

SIMATIC HMI KP700 Comfort, Comfort Panel, key operation, 7" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0, configurable from WinCC Comfort V11



General information		
Product type designation	KP700 Comfort	
Display		
Design of display	TFT	
Screen diagonal	7 in	
Display width	152.4 mm	
Display height	91.4 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	
Backlight dimmable	Yes; 0-100 %	
Control elements		
Keyboard fonts		
<ul> <li>Function keys</li> </ul>		
<ul> <li>Number of function keys</li> </ul>	24	
<ul> <li>Number of function keys with LEDs</li> </ul>	24	
<ul> <li>Keys with LED</li> </ul>	Yes	
System keys	Yes	
<ul> <li>Numeric keyboard</li> </ul>	Yes	
alphanumeric keyboard	Yes; similar to mobile phone	
Touch operation		
Design as touch screen	No; without	
Expansions for operator control of the process		
<ul> <li>DP direct LEDs (LEDs as S7 output I/O)</li> </ul>		
— F1Fx	24	
<ul> <li>Direct keys (keys as S7 input I/O)</li> </ul>		
— F1Fх	24	
Direct keys (touch buttons as S7 input I/O)	0	
Installation type/mounting		
Mounting position	vertical	
Wall mounting/direct mounting	No	
Mounting in portrait format possible	No	
Mounting in landscape format possible	Yes	
maximum permissible angle of inclination without external ventilation	35°	
Supply voltage		

Tuno of cumply yell- :-	DC
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
Input current	
Current consumption (rated value)	0.5 A
Starting current inrush I²t	0.5 A <sup>2</sup> ·s
Power	
Active power input, typ.	12 W
Processor	
Processor type	X86
Memory	
Flash	Yes
RAM	Yes
Memory available for user data	12 Mbyte
Type of output	
Info LED	Yes
Power LED	No
Error LED	No
Acoustics	
Buzzer	No
Speaker	Yes
Time of day	
Clock	
Hardware clock (real-time)	Yes
Software clock	Yes
retentive	Yes; Back-up duration typically 6 weeks
synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	1; 2 ports (switch)
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
Number of SD card slots With software interfaces	
	2
With software interfaces	2
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 2
With software interfaces Industrial Ethernet  Industrial Ethernet status LED  Number of ports of the integrated switch  Protocols  PROFINET	2 No  2 2 2 Yes
With software interfaces Industrial Ethernet  Industrial Ethernet status LED  Number of ports of the integrated switch  Protocols	2 No  2 2 2 2 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	2 No  2 2 2 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	2 No  2 2 2 Yes Yes Yes; As of WinCC V12
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 2  Yes Yes Yes Yes; As of WinCC V12 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, As of WinCC V12 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 2  Yes Yes Yes, As of WinCC V12 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; As of WinCC V12 Yes Yes Yes
With software interfaces Industrial Ethernet  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 2  Yes  Yes  Yes  Yes, As of WinCC V12  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 2  Yes  Yes  Yes  Yes  Yes  Yes  Y
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	2 No  2 2 2  Yes Yes Yes; As of WinCC V12 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	2 No  2 2 2  Yes Yes Yes Yes; As of WinCC V12 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; As of WinCC V12 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; As of WinCC V12 Yes

• HTML	Yes
• XML	Yes
• CSS	Yes
<ul> <li>Active X</li> </ul>	Yes
<ul> <li>JavaScript</li> </ul>	Yes
Java VM	No
Redundancy mode	
Media redundancy	
— MRP	Yes; As of WinCC V12
Further protocols	
• CAN	No
MODBUS	Yes
Interrupts/diagnostics/status information	
Diagnoses	
Diagnostic information readable	Yes; S7 controller
EMC	
Emission of radio interference acc. to EN 55 011	
<ul> <li>Limit class A, for use in industrial areas</li> </ul>	Yes
Limit class B, for use in residential areas	No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
<ul> <li>Enclosure Type 4 at the front</li> </ul>	Yes
<ul> <li>Enclosure Type 4x at the front</li> </ul>	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Use in hazardous areas	
ATEX Zone 2	Yes
ATEX Zone 22	Yes
• IECEx Zone 2	Yes
IECEx Zone 22	Yes
<ul> <li>cULus Class I Zone 1</li> </ul>	No
<ul> <li>cULus Class I Zone 2, Division 2</li> </ul>	Yes
FM Class I Division 2	Yes
Marine approval	
Germanischer Lloyd (GL)	Yes
<ul> <li>American Bureau of Shipping (ABS)</li> </ul>	Yes
Bureau Veritas (BV)	Yes
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	Yes
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes
Nippon Kaiji Kyokai (Class NK)	Yes
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; (55 °C, see entry ID: 64847814)
Operation (max. tilt angle)	
— At maximum tilt angle, min.	0 °C
— At maximum tilt angle, max.	40 °C
Operation (vertical installation, portrait format)	0.00
— For vertical installation, min.	0 °C
— For vertical installation, max.	40 °C
Operation (max. tilt angle, portrait format)	0.80
<ul><li>At maximum tilt angle, min.</li></ul>	0 °C

At maximum tilt anala, may	35 °C
— At maximum tilt angle, max.  Ambient temperature during storage/transportation	33 C
Ambient temperature during storage/transportation     min.	-20 °C
• max.	-20 °C
Relative humidity	00 0
Operation, max.	90 %; no condensation
Operating systems	oo 76, He condendation
proprietary	No
pre-installed operating system	140
Windows CE	Yes
configuration / header	1.30
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
<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
WinCC Professional (TIA Portal)	Yes; from V11
Languages	
Online languages	
Number of online/runtime languages	32
Project languages	
<ul> <li>Languages per project</li> </ul>	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	
• time-controlled	Yes
• task-controlled	Yes
Help system	70
Number of characters per info text	70
Message system	22
Number of alarm classes     Dit massages	32 Van
Bit messages  Number of hit messages	Yes
— Number of bit messages	4 000 Voc
Analog messages     Number of analog messages	Yes
Number of analog messages     S7 alarm number procedure	200 Yes
S7 alarm number procedure     System messages HMI	Yes
<ul><li>System messages HMI</li><li>System event, more (SIMATIC S7, SINUMERIK,</li></ul>	Yes
• System event, more (SIMATIC 57, SINUMERIK, SIMOTION,)	165
Number of characters per message	80
Number of process values per message	8
Acknowledgment groups	Yes

Message indicator	Yes
Message Indicator     Message buffer	
Number of entries	1 024
Circulating buffer	Yes
— retentive	Yes
— maintenance-free	Yes
Recipe management	166
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
Pop-up images	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	
<ul> <li>Number of objects per image</li> </ul>	400
<ul><li>Text fields</li></ul>	Yes
<ul><li>I/O fields</li></ul>	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
<ul> <li>Switches</li> </ul>	Yes
Buttons	Yes
Graphic display	Yes
• Icons	Yes
Geometric objects	Yes
Complex image objects	22
Number of complex objects per screen	20
Alarm view     Trand view	Yes
• Trend view	Yes
User view     Status/control	Yes
Status/control     Sm@rtClient view	Yes
Sm@rtClient view     Pegine view	Yes
Recipe view     f(x) trand view	Yes Yes
<ul><li>f(x) trend view</li><li>System diagnostics view</li></ul>	Yes
System diagnostics view     Media Player	Yes
HTML browser	Yes
PDF display	Yes
IP camera display	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 graphics lists per project     Number of activities per graphics lists	500
Number of entries per graphics list     Archiving	500
Number of archives per device	50
Number of arctives per device     Number of entries per archive	20 000
Message archive	Yes
Process value archive	Yes
	res
Archiving methods	V.
— 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	
<ul> <li>Number of user groups</li> </ul>	50
<ul> <li>Number of user rights</li> </ul>	32
<ul> <li>Number of users</li> </ul>	50
<ul> <li>Password export/import</li> </ul>	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
Transfer (upload/download)	
Transfer (upload/download)  • MPI/PROFIBUS DP	Yes
Transfer (upload/download)  • MPI/PROFIBUS DP  • USB	Yes Yes
Transfer (upload/download)  • MPI/PROFIBUS DP  • USB • Ethernet	Yes Yes Yes
Transfer (upload/download)  • MPI/PROFIBUS DP  • USB  • Ethernet  • using external storage medium	Yes Yes
Transfer (upload/download)  • MPI/PROFIBUS DP  • USB  • Ethernet  • using external storage medium  Process coupling	Yes Yes Yes Yes
Transfer (upload/download)  • MPI/PROFIBUS DP  • USB  • Ethernet  • using external storage medium  Process coupling  • S7-1200	Yes Yes Yes Yes Yes
Transfer (upload/download)  • MPI/PROFIBUS DP  • USB  • Ethernet  • using external storage medium  Process coupling  • S7-1200  • S7-1500	Yes Yes Yes Yes Yes Yes
Transfer (upload/download)  • MPI/PROFIBUS DP  • USB  • Ethernet  • using external storage medium  Process coupling  • S7-1200  • S7-1500  • S7-200	Yes Yes Yes Yes Yes Yes Yes Yes
Transfer (upload/download)  • MPI/PROFIBUS DP  • USB  • Ethernet  • using external storage medium  Process coupling  • S7-1200  • S7-1500  • S7-200  • S7-300/400	Yes
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
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
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 SINUMERIK	Yes
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  • SINUMERIK  • SIMOTION	Yes
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  • SIMOTION  • Allen Bradley (EtherNet/IP)	Yes
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  • SINUMERIK  • SIMOTION  • Allen Bradley (EtherNet/IP)  • Allen Bradley (DF1)	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP)	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX)	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP)	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX)	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP)	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink)	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP)	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus)	Yes
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 SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus) OPC UA Client	Yes
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 SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus) OPC UA Client OPC UA Server	Yes
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 SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Client OPC UA Server  Service tools/configuration aids Backup/Restore manually	Yes
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 SINUMERIK SIMOTION Allen Bradley (EtherNet/IP) Allen Bradley (DF1) Mitsubishi (MC TCP/IP) Mitsubishi (FX) OMRON (FINS TCP) OMRON (LINK/Multilink) Modicon (Modbus TCP/IP) Modicon (Modbus) OPC UA Server  Service tools/configuration aids	Yes

<ul> <li>Device switchover</li> </ul>	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)		
<ul> <li>Plastic</li> </ul>	No	
<ul> <li>Aluminum</li> </ul>	Yes	
Stainless steel	No	
Dimensions		
Width of the housing front	308 mm	
Height of housing front	204 mm	
Mounting cutout, width	281 mm	
Mounting cutout, height	177 mm	
Overall depth	63 mm	
Weights		
Weight (without packaging)	2.2 kg	
Weight (with packaging)	2.8 kg	

last modified:

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