

SIMATIC MP 277 8" TOUCH MULTI PANEL W. RETENTIVE MEMORY 7.5" TFT DISPLAY 6 MB CONFIGURING MEMORY, CONFIGURABLE WITH WINCC FLEXIBLE 2005 STANDARD SP1 \*\*\*\*\* FOR THIS PRODUCT A DELIVERY STOP WILL BE DECLARED FROM OCTOBER 1ST, 2014. INFORMATION ABOUT SUCCESSOR SEE SIMATIC UPDATE ID: 62977695 FOR FURTHER QUESTIONS PLEASE APPROACH YOUR SIEMENS CONTACT PERSON.



| General information                          |                   |
|--|-------------------|
| customer-specific configuration              | Ja                |
| Display                                      |                   |
| Screen diagonal                              | 7,5 in            |
| Size   | 7,5 Zoll          |
| Display type                                 | TFT, 65536 Farben |
| Number of greyscales                         | 0                 |
| Color type                                   | Farben            |
| Resolution (pixels)                          |                   |
| Horizontale beeldresolutie                   | 640               |
| Verticale beeldresolutie                     | 480               |
| Resolution (WxH in pixel)                    | 640 x 480         |
| Control elements                             |                   |
| Control elements                             | Touchscreen       |
| Operating options                            | Touch             |
| Connection for mouse/keyboard/barcode reader | USB / USB / USB   |
| Keyboard fonts                               |                   |
| Keys with LED                                | Nee               |
| Numeric/alphabetical input                   | Ja / Ja           |

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| hexadecimal keyboard                               | Ja  |
| <b>Touch operation</b>                             |   |
| Touch screen                                       | analog, resistiv                          |
| Uitvoering van het displays / aanraakbeeldscherm   | Ja  |
| Touch screen (analog/resistive)                    | Ja  |
| <b>Supply voltage</b>                              |   |
| Type spanning / van de voedingsspanning            | DC  |
| <b>Processor</b>                                   |   |
| Processor type                                     | ARM                                       |
| <b>Memory</b>                                      |   |
| Type   | Flash / RAM                               |
| Main memory  |   |
| Capacity of main memory, maximum                   | 128 Mbyte                                 |
| <b>Time of day</b>                                 |   |
| <b>Clock</b>                                       |   |
| Type   | Hardwareuhr, gepuffert, synchronisierbar  |
| Hardware clock (real-time clock)                   | Ja  |
| battery-backed                                     | Ja  |
| synchronizable                                     | Ja  |
| <b>Interfaces</b>                                  |   |
| Interfaces   | 1 x RS422, 1 x RS485, 1 x Ethernet (RJ45) |
| Aantal interfaces / conform RS 485                 | 1   |
| USB port   | 2 x USB                                   |
| <b>Industrial Ethernet</b>                         |   |
| Industrial Ethernet interface                      | 1 x Ethernet (RJ45)                       |
| <b>Protocols</b>                                   |   |
| Protocol / wordt ondersteund / PROFI-safe-protocol | Nee                                       |
| Protocol / wordt ondersteund / PROFIBUS-protocol   | Ja  |
| <b>Protocols (Ethernet)</b>                        |   |
| Protocol / wordt ondersteund / TCP/IP              | Ja  |
| <b>Further protocols</b>                           |   |
| Protocol / wordt ondersteund / overige protocollen | Ja  |
| <b>Degree and class of protection</b>              |   |
| Front  | IP65, NEMA 4x (im eingebauten Zustand)    |
| NEMA   | NEMA 4x                                   |
| Rear   | IP20                                      |
| Beschermingsklasse IP                              | IP20                                      |
| <b>Standards, approvals, certificates</b>          |   |

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| <b>Certifications</b>  | CE, FM Class I Div. 2, UL, cULus, EX-Zone 22, NEMA 4x (Enclosure Type 4X, Type 12) |
| <b>cULus</b>   | Ja   |
| <b>Geschiktheid voor het gebruik / op veiligheid gerichte functie</b>        | Nee  |
| <b>Use in hazardous areas</b>  |  |
| <b>EX zone 22</b>  | Ja   |
| <b>FM Class I Division 2</b>   | Ja   |
| <b>Ambient conditions</b>  |  |
| <b>Inbouwpositie</b>   | verticaal  |
| <b>maximum permissible angle of inclination without external ventilation</b> | +/- 35 °   |
| <b>Operating temperature</b>   |  |
| <b>Operation</b>   | 0 °C bis +50 °C  |
| <b>Storage/transport temperature</b>   |  |
| <b>Transport, storage</b>  | -20 °C bis +60 °C  |
| <b>Relative humidity</b>   |  |
| <b>Relatieve luchtvochtigheid / tijdens de werking / maximaal</b>            | 90 %   |
| <b>Operating systems</b>   |  |
| <b>Bedrijfsysteem</b>  | Windows CE   |
| <b>Configuration</b>   |  |
| <b>Message indicator</b>   | Ja   |
| <b>With alarm logging system (incl. buffer and acknowledgment)</b>           | Ja   |
| <b>Process value display (output)</b>  | Ja   |
| <b>Process value default (input) possible</b>                                | Ja   |
| <b>Recipe administration</b>   | Ja   |
| <b>Configuration software</b>  |  |
| <b>STEP 7 Basic (TIA Portal)</b>   | Nee  |
| <b>STEP 7 Professional (TIA Portal)</b>                                      | Nee  |
| <b>WinCC flexible Compact</b>  | Nee  |
| <b>WinCC flexible Standard</b>   | Ja   |
| <b>WinCC flexible Advanced</b>   | Ja   |
| <b>WinCC Basic (TIA Portal)</b>  | Nee  |
| <b>WinCC Comfort (TIA Portal)</b>  | Ja   |
| <b>WinCC Advanced (TIA Portal)</b>   | Ja   |
| <b>WinCC Professional (TIA Portal)</b>                                       | Ja   |
| <b>Configuration tool</b>  | WinCC flexible Standard ab Version 2005 SP 1 (separat zu beziehen)                 |
| <b>2. Configuration kit</b>  | WinCC flexible Standard  |
| <b>Version</b>   | Version 2005 SP 1  |

|   |                |
|---|----------------|
| <b>Configuration tool</b>   | WinCC flexible |
| <b>Type</b>   | Standard       |
| <b>Languages</b>  |                |
| <b>Online languages</b>   |                |
| <b>Number of online/runtime languages</b>                             | 16             |
| <b>Project languages</b>  |                |
| <b>Languages per project</b>  | 32             |
| <b>Functionality under WinCC (TIA Portal)</b>                         |                |
| <b>Libraries</b>  | Ja             |
| <b>Task planner</b>   | Ja             |
| <b>Help system</b>  | Ja             |
| <b>Number of characters per info text</b>                             | 70             |
| <b>Message system</b>   |                |
| <b>Number of alarm classes</b>  | 32             |
| <b>Number of messages</b>   | 4000           |
| <b>Bit messages</b>   | Ja             |
| <b>Analog messages</b>  | Ja             |
| <b>Number of bit messages</b>   | 4000           |
| <b>Number of analog messages</b>                                      | 200            |
| <b>System messages HMI</b>  | Ja             |
| <b>System messages PLC</b>  | Ja             |
| <b>System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)</b> | Ja             |
| <b>Message length (in characters)</b>                                 | 80             |
| <b>Lines</b>  | 1              |
| <b>Number of process values per message</b>                           | 8              |
| <b>Message indicator</b>  | Ja             |
| <b>First/last value</b>   | Ja             |
| <b>Recipe administration</b>  |                |
| <b>Number of recipes</b>  | 300            |
| <b>Data records per recipe</b>  | 500            |
| <b>Entries per data record</b>  | 1000           |
| <b>Variables</b>  |                |
| <b>Number of variables per device</b>                                 | 2048           |
| <b>Number of variables per screen</b>                                 | 200            |
| <b>Number of variables</b>  | 1000           |
| <b>Limit values</b>   | Ja             |
| <b>Multiplexing</b>   | Ja             |
| <b>Structures</b>   | Ja             |

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|---|---|
| Type Date & Time                        | 2048  |
| <b>Images</b>                           |   |
| Number of configurable images           | 500   |
| Permanent window/default                | Ja  |
| Start screen configurable               | Ja  |
| Image selection by PLC                  | Ja  |
| Image number in the PLC                 | Ja  |
| <b>Image objects</b>                    |   |
| Text objects                            | 10000 Textelemente  |
| I/O fields per image                    | 200   |
| Date/time fields                        | 200   |
| Return                                  | Ja  |
| Graphics object                         | Bitmaps, Ikons, Vektorgrafik  |
| Icons                                   | 1000  |
| <b>Complex image objects</b>            |   |
| Status/control                          | bei SIMATIC S7  |
| dynamic objects                         | Diagramme, Balken, Schieber, Analoganzeige, unsichtbare Schaltflächen |
| Number of objects per project           | 1000  |
| Number of curve diagrams per image      | 10  |
| Methods                                 | Trend / Profil  |
| Limit value lines                       | Ja  |
| Number of bars per chart                | 10  |
| Limit value lines                       | Ja  |
| alphanumeric fields                     | 300   |
| alphanumeric fields per image           | 200   |
| numerical fields                        | 2048  |
| numerical fields per image              | 200   |
| Password fields                         | 2048  |
| Number of slides per image              | 10  |
| Number of analog indicators per image   | 10  |
| Number of visible switches per project  | 200   |
| visible switches per image              | 200   |
| hidden switches per image               | 200   |
| Number of status switches per project   | 200   |
| Button status switches per image        | 200   |
| Number of selector switches per project | 200   |
| Selector switches per image             | 200   |
| Number of decade switches per project   | 200   |

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| Decade switches per image              | 200   |
| Number of signal lamps per project     | 200   |
| Signal lamps per image                 | 200   |
| <b>Attributes for dynamic objects</b>  |   |
| Color change                           | Ja  |
| X/Y movement                           | Ja  |
| Hide                                   | Ja  |
| <b>Lists</b>                           |   |
| Number of text lists per project       | 500   |
| Number of text lists per image         | 200   |
| Number of entries per text list        | 256   |
| Number of graphics lists per project   | 400   |
| Number of graphic lists per image      | 200   |
| Number of entries per graphics list    | 256   |
| <b>Archiving</b>                       |   |
| Number of archives per device          | 20  |
| Number of measuring points per project | 20  |
| Number of entries per archive          | 10000   |
| Message archive                        | Ja  |
| Process value archive                  | Ja  |
| Archiving methods                      |   |
| Sequential archive                     | Ja  |
| Short-term archive                     | Ja  |
| Memory location                        |   |
| Ethernet                               | Ja  |
| Data storage format                    |   |
| CSV                                    | Ja  |
| Online evaluation                      |   |
| using trend curves                     | Ja  |
| <b>Filters</b>                         |   |
| cyclic                                 | Ja  |
| Tolerance                              | Ja  |
| Change                                 | Ja  |
| <b>Security</b>                        |   |
| Number of user groups                  | 50  |
| Number of user rights                  | 32  |
| Password export/import                 | Ja  |
| <b>Logging through printer</b>         |   |
| Recording/Printing                     | Meldungen, Report (Schichtprotokoll), Farbdruck, Hardcopy |

| Transfer (upload/download)       |  |
|----------------------------------|--|
| Transfer of configuration        | MPI/PROFIBUS DP, USB, Ethernet, automatische Transfererkennung   |
| Process coupling                 |  |
| Connection to controller         | S5, S7-200, S7- 300/400, TI 505, SINUMERIK, SIMOTION, Allen Bradley (DF1), Allen Bradley (DF485), Mitsubishi (FX), OMRON (LINK/Multilink), Modicon (Modbus) siehe Kapitel "Systemkopplungen" |
| S7-1200                          | Ja   |
| S7-1500                          | Ja   |
| S7-200                           | Ja   |
| PPI (point-to-point)             | Ja   |
| PPI network                      | Ja   |
| MPI                              | Ja   |
| PROFIBUS DP                      | Ja   |
| Ethernet                         | Ja   |
| S7-300/400                       | Ja   |
| MPI                              | Ja   |
| PROFIBUS DP                      | Ja   |
| PROFINET                         | Ja   |
| S5                               | Ja   |
| PROFIBUS DP                      | Ja   |
| TI 505                           | Ja   |
| Allen Bradley (DF1)              | Ja   |
| Allen Bradley (DF485)            | Ja   |
| Mitsubishi (FX)                  | Ja   |
| Mitsubishi (MP4)                 | Ja   |
| Telemecanique (Uni-Telway)       | Ja   |
| OMRON (LINK/Multilink)           | Ja   |
| Modicon (Modbus)                 | Ja   |
| GE-Fanuc (SNP)                   | Ja   |
| Functions                        |  |
| TAB sequence                     | Ja   |
| Calculating functions            | Ja   |
| Animate                          | Ja   |
| Service tools/configuration aids |  |
| Clean screen                     | Ja   |
| Touch calibration                | Ja   |
| Backup/Restore manually          | Ja   |
| Simulation                       | Ja   |

|  |                       |
|--|-----------------------|
| <b>Device switchover</b>                       | Ja                    |
| <b>Delta transfer</b>                          | Ja                    |
| <b>Expandability/openness</b>                  |                       |
| <b>Open Platform Program</b>                   | Ja                    |
| <b>Peripherals/Options</b>                     |                       |
| <b>Peripherals</b>                             | Drucker, Barcodeleser |
| <b>Multimedia Card</b>                         | Ja                    |
| <b>SD card</b>                                 | Ja                    |
| <b>USB memory</b>                              | Ja                    |
| <b>Additional software components loadable</b> | Ja                    |
| <b>Weights</b>                                 |                       |
| <b>Nettogewicht</b>                            | 1,61 kg               |
| <b>Other</b>                                   |                       |
| <b>free hotline</b>                            | Ja                    |
| <b>Warranty period</b>                         | 1 a                   |
| Status   | 30-jul-2014           |