



Figure similar

SIPLUS S7-300 CPU 317F-2DP based on 6ES7317-6FF04-0AB0 with conformal coating, -25...+60 °C, central processing unit with 1.5 MB work memory, 1st interface MPI/DP 12 Mbps, 2nd interface DP master/ slave, Micro Memory Card required can be used with software package S7 Distributed Safety V5.2 SP1 or higher

| General information   |   |
|---|---|
| Engineering with  |   |
| <ul style="list-style-type: none"> <li>Programming package</li> </ul>   | STEP 7 V5.5 + SP1 or higher or STEP 7 V5.2 + SP1 or higher with HSP 202 + Distributed Safety  |
| Supply voltage  |   |
| Rated value (DC)  | 24 V  |
| permissible range, lower limit (DC)   | 19.2 V  |
| permissible range, upper limit (DC)   | 28.8 V  |
| external protection for power supply lines (recommendation)   | 2 A min.  |
| Input current   |   |
| Current consumption (rated value)   | 870 mA  |
| Current consumption (in no-load operation), typ.  | 120 mA  |
| Inrush current, typ.  | 4 A   |
| $I^2t$  | 1 A <sup>2</sup> ·s   |
| Power loss  |   |
| Power loss, typ.  | 4.5 W   |
| Memory  |   |
| Work memory   |   |
| <ul style="list-style-type: none"> <li>integrated</li> <li>expandable</li> </ul>  | 1 536 kbyte<br>No   |
| Load memory   |   |
| <ul style="list-style-type: none"> <li>Plug-in (MMC)</li> <li>Plug-in (MMC), max.</li> <li>Data management on MMC (after last programming), min.</li> </ul> | Yes<br>8 Mbyte<br>10 y  |
| Backup  |   |
| <ul style="list-style-type: none"> <li>present</li> <li>without battery</li> </ul>  | Yes; Guaranteed by MMC (maintenance-free)<br>Yes; Program and data                            |
| CPU processing times  |   |
| for bit operations, typ.  | 0.025 µs  |
| for word operations, typ.   | 0.03 µs   |
| for fixed point arithmetic, typ.  | 0.04 µs   |
| for floating point arithmetic, typ.   | 0.16 µs   |
| CPU-blocks  |   |
| Number of blocks (total)  | 2 048; (DBs, FCs, FBs); the maximum number of loadable blocks can be reduced by the MMC used. |
| DB  |   |
| <ul style="list-style-type: none"> <li>Number, max.</li> <li>Size, max.</li> </ul>  | 2 048; Number range: 1 to 16000<br>64 kbyte   |

|  |  |
|--|--|
| <b>FB</b>  |  |
| <ul style="list-style-type: none"> <li>• Number, max.</li> <li>• Size, max.</li> </ul>   | 2 048; Number range: 0 to 7999<br>64 kbyte   |
| <b>FC</b>  |  |
| <ul style="list-style-type: none"> <li>• Number, max.</li> <li>• Size, max.</li> </ul>   | 2 048; Number range: 0 to 7999<br>64 kbyte   |
| <b>OB</b>  |  |
| <ul style="list-style-type: none"> <li>• Number, max.</li> <li>• Size, max.</li> <li>• Number of free cycle OBs</li> <li>• Number of time alarm OBs</li> <li>• Number of delay alarm OBs</li> <li>• Number of cyclic interrupt OBs</li> <li>• Number of process alarm OBs</li> <li>• Number of DPV1 alarm OBs</li> <li>• Number of isochronous mode OBs</li> <li>• Number of startup OBs</li> <li>• Number of asynchronous error OBs</li> <li>• Number of synchronous error OBs</li> </ul> | see instruction list<br>64 kbyte<br>1; OB 1<br>1; OB 10<br>2; OB 20, 21<br>4; OB 32, 33, 34, 35<br>1; OB 40<br>3; OB 55, 56, 57<br>1; OB 61<br>1; OB 100<br>5; OB 80, 82, 85, 86, 87<br>2; OB 121, 122 |
| <b>Nesting depth</b>   |  |
| <ul style="list-style-type: none"> <li>• per priority class</li> <li>• additional within an error OB</li> </ul>  | 16<br>4  |
| <b>Counters, timers and their retentivity</b>  |  |
| <b>S7 counter</b>  |  |
| <ul style="list-style-type: none"> <li>• Number</li> </ul>   | 512  |
| <b>Retentivity</b>   |  |
| — adjustable   | Yes  |
| — lower limit  | 0  |
| — upper limit  | 511  |
| — preset   | Z 0 to Z 7   |
| <b>Counting range</b>  |  |
| — lower limit  | 0  |
| — upper limit  | 999  |
| <b>IEC counter</b>   |  |
| <ul style="list-style-type: none"> <li>• present</li> <li>• Type</li> <li>• Number</li> </ul>  | Yes<br>SFB<br>Unlimited (limited only by RAM capacity)   |
| <b>S7 times</b>  |  |
| <ul style="list-style-type: none"> <li>• Number</li> </ul>   | 512  |
| <b>Retentivity</b>   |  |
| — adjustable   | Yes  |
| — lower limit  | 0  |
| — upper limit  | 511  |
| — preset   | No retentivity   |
| <b>Time range</b>  |  |
| — lower limit  | 10 ms  |
| — upper limit  | 9 990 s  |
| <b>IEC timer</b>   |  |
| <ul style="list-style-type: none"> <li>• present</li> <li>• Type</li> <li>• Number</li> </ul>  | Yes<br>SFB<br>Unlimited (limited only by RAM capacity)   |
| <b>Data areas and their retentivity</b>  |  |
| Retentive data area (incl. timers, counters, flags), max.  | 256 kbyte  |
| <b>Flag</b>  |  |
| <ul style="list-style-type: none"> <li>• Size, max.</li> <li>• Retentivity available</li> <li>• Retentivity preset</li> <li>• Number of clock memories</li> </ul>  | 4 096 byte<br>Yes; From MB 0 to MB 4 095<br>MB 0 to MB 15<br>8; 1 memory byte  |
| <b>Data blocks</b>   |  |
| <ul style="list-style-type: none"> <li>• Retentivity adjustable</li> <li>• Retentivity preset</li> </ul>   | Yes; via non-retain property on DB<br>Yes  |
| <b>Local data</b>  |  |
| <ul style="list-style-type: none"> <li>• per priority class, max.</li> </ul>   | 32 768 byte; Max. 2048 bytes per block   |


| Address area  |   |
|---|---|
| I/O address area  |   |
| • Inputs  | 8 192 byte  |
| • Outputs   | 8 192 byte  |
| of which distributed                                      |   |
| — Inputs  | 8 192 byte  |
| — Outputs   | 8 192 byte  |
| Process image   |   |
| • Inputs  | 8 192 byte  |
| • Outputs   | 8 192 byte  |
| • Inputs, adjustable                                      | 8 192 byte  |
| • Outputs, adjustable                                     | 8 192 byte  |
| • Inputs, default   | 1 024 byte  |
| • Outputs, default  | 1 024 byte  |
| Subprocess images   |   |
| • Number of subprocess images, max.                       | 1   |
| Digital channels  |   |
| • Inputs  | 65 536  |
| — of which central  | 1 024   |
| • Outputs   | 65 536  |
| — of which central  | 1 024   |
| Analog channels   |   |
| • Inputs  | 4 096   |
| — of which central  | 256   |
| • Outputs   | 4 096   |
| — of which central  | 256   |
| Hardware configuration                                    |   |
| Number of expansion units, max.                           | 3   |
| Number of DP masters                                      |   |
| • integrated  | 2   |
| • via CP  | 4   |
| Number of operable FMs and CPs (recommended)              |   |
| • FM  | 8   |
| • CP, PtP   | 8   |
| • CP, LAN   | 10  |
| Rack  |   |
| • Racks, max.   | 4   |
| • Modules per rack, max.                                  | 8   |
| Time of day   |   |
| Clock   |   |
| • Hardware clock (real-time)                              | Yes   |
| • retentive and synchronizable                            | Yes   |
| • Backup time   | 6 wk; At 40 °C ambient temperature  |
| • Deviation per day, max.                                 | 10 s; Typ.: 2 s   |
| • Behavior of the clock following POWER-ON                | Clock continues running after POWER OFF                                   |
| • Behavior of the clock following expiry of backup period | the clock continues at the time of day it had when power was switched off |
| Operating hours counter                                   |   |
| • Number  | 4   |
| • Number/Number range                                     | 0 to 3  |
| • Range of values   | 0 to 2 <sup>31</sup> hours (when using SFC 101)                           |
| • Granularity   | 1 h   |
| • retentive   | Yes; Must be restarted at each restart                                    |
| Clock synchronization                                     |   |
| • supported   | Yes   |
| • to MPI, master  | Yes   |
| • to MPI, slave   | Yes   |
| • to DP, master   | Yes; With DP slave only slave clock                                       |
| • to DP, slave  | Yes   |
| • in AS, master   | Yes   |
| • in AS, slave  | Yes   |
| • on Ethernet via NTP                                     | No  |
| Digital inputs  |   |

|   |  |
|---|--|
| Number of digital inputs  | 0  |
| <b>Digital outputs</b>  |  |
| Number of digital outputs   | 0  |
| <b>Analog inputs</b>  |  |
| Number of analog inputs   | 0  |
| <b>Analog outputs</b>   |  |
| Number of analog outputs  | 0  |
| <b>Interfaces</b>   |  |
| Number of industrial Ethernet interfaces  | 0  |
| Number of PROFINET interfaces   | 0  |
| Number of RS 485 interfaces   | 2  |
| Number of RS 422 interfaces   | 0  |
| <b>1. Interface</b>   |  |
| Interface type  | Integrated RS 485 interface  |
| Isolated  | Yes  |
| <b>Interface types</b>  |  |
| <ul style="list-style-type: none"> <li>• RS 485</li> <li>• Output current of the interface, max.</li> </ul>   | <ul style="list-style-type: none"> <li>Yes</li> <li>200 mA</li> </ul>  |
| <b>Protocols</b>  |  |
| <ul style="list-style-type: none"> <li>• MPI</li> <li>• PROFIBUS DP master</li> <li>• PROFIBUS DP slave</li> <li>• Point-to-point connection</li> </ul>   | <ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>No</li> </ul>  |
| <b>MPI</b>  |  |
| <ul style="list-style-type: none"> <li>• Transmission rate, max.</li> </ul>   | 12 Mbit/s  |
| <b>Services</b>   |  |
| <ul style="list-style-type: none"> <li>— PG/OP communication</li> <li>— Routing</li> <li>— Global data communication</li> <li>— S7 basic communication</li> <li>— S7 communication</li> <li>— S7 communication, as client</li> <li>— S7 communication, as server</li> </ul>   | <ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes; Only server, configured on one side</li> <li>No; but via CP and loadable FB</li> <li>Yes</li> </ul>  |
| <b>PROFIBUS DP master</b>   |  |
| <ul style="list-style-type: none"> <li>• Transmission rate, max.</li> <li>• Number of DP slaves, max.</li> </ul>  | <ul style="list-style-type: none"> <li>12 Mbit/s</li> <li>124</li> </ul>   |
| <b>Services</b>   |  |
| <ul style="list-style-type: none"> <li>— PG/OP communication</li> <li>— Routing</li> <li>— Global data communication</li> <li>— S7 basic communication</li> <li>— S7 communication</li> <li>— S7 communication, as client</li> <li>— S7 communication, as server</li> <li>— Equidistance</li> <li>— Isochronous mode</li> <li>— SYNC/FREEZE</li> <li>— Activation/deactivation of DP slaves</li> <li>— Number of DP slaves that can be simultaneously activated/deactivated, max.</li> <li>— Direct data exchange (slave-to-slave communication)</li> <li>— DPV1</li> </ul> | <ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> <li>No</li> <li>Yes; I blocks only</li> <li>Yes; Only server, configured on one side</li> <li>No</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>Yes</li> <li>8</li> <li>Yes; as subscriber</li> <li>Yes</li> </ul> |
| <b>Address area</b>   |  |
| <ul style="list-style-type: none"> <li>— Inputs, max.</li> <li>— Outputs, max.</li> </ul>   | <ul style="list-style-type: none"> <li>8 kbyte</li> <li>8 kbyte</li> </ul>   |
| <b>User data per DP slave</b>   |  |
| <ul style="list-style-type: none"> <li>— Inputs, max.</li> <li>— Outputs, max.</li> </ul>   | <ul style="list-style-type: none"> <li>244 byte</li> <li>244 byte</li> </ul>   |
| <b>PROFIBUS DP slave</b>  |  |
| <ul style="list-style-type: none"> <li>• Transmission rate, max.</li> <li>• automatic baud rate search</li> <li>• Address area, max.</li> </ul>   | <ul style="list-style-type: none"> <li>12 Mbit/s</li> <li>Yes; only with passive interface</li> <li>32</li> </ul>  |

|  |  |
|--|--|
| • User data per address area, max.   | 32 byte  |
| <b>Services</b>  |  |
| — PG/OP communication  | Yes  |
| — Routing  | Yes; Only with active interface  |
| — Global data communication  | No   |
| — S7 basic communication   | No   |
| — S7 communication   | Yes; Only server, configured on one side   |
| — S7 communication, as client  | No   |
| — S7 communication, as server  | Yes; Connection configured on one side only  |
| — Direct data exchange (slave-to-slave communication)                        | Yes  |
| — DPV1   | No   |
| <b>Transfer memory</b>   |  |
| — Inputs   | 244 byte   |
| — Outputs  | 244 byte   |
| <b>2. Interface</b>  |  |
| Interface type   | Integrated RS 485 interface  |
| Isolated   | Yes  |
| <b>Interface types</b>   |  |
| • RS 485   | Yes  |
| • Output current of the interface, max.                                      | 200 mA   |
| <b>Protocols</b>   |  |
| • MPI  | No   |
| • PROFIBUS DP master   | Yes  |
| • PROFIBUS DP slave  | Yes  |
| • Point-to-point connection  | No   |
| <b>PROFIBUS DP master</b>  |  |
| • Transmission rate, max.  | 12 Mbit/s  |
| • Number of DP slaves, max.  | 124  |
| <b>Services</b>  |  |
| — PG/OP communication  | Yes  |
| — Routing  | Yes  |
| — Global data communication  | No   |
| — S7 basic communication   | Yes; I blocks only   |
| — S7 communication   | Yes; Only server, configured on one side   |
| — S7 communication, as client  | No; but via CP and loadable FB   |
| — S7 communication, as server  | Yes  |
| — Equidistance   | Yes  |
| — Isochronous mode   | Yes; OB 61   |
| — SYNC/FREEZE  | Yes  |
| — Activation/deactivation of DP slaves                                       | Yes  |
| — Number of DP slaves that can be simultaneously activated/deactivated, max. | 8  |
| — Direct data exchange (slave-to-slave communication)                        | Yes; as subscriber   |
| — DPV1   | Yes  |
| <b>Address area</b>  |  |
| — Inputs, max.   | 8 192 byte   |
| — Outputs, max.  | 8 192 byte   |
| <b>User data per DP slave</b>  |  |
| — Inputs, max.   | 244 byte   |
| — Outputs, max.  | 244 byte   |
| <b>PROFIBUS DP slave</b>   |  |
| • GSD file   | The latest GSD file is available on the Internet ( <a href="http://www.siemens.com/profibus-gsd">http://www.siemens.com/profibus-gsd</a> ) |
| • Transmission rate, max.  | 12 Mbit/s  |
| • automatic baud rate search   | Yes; only with passive interface   |
| • Address area, max.   | 32   |
| • User data per address area, max.   | 32 byte  |
| <b>Services</b>  |  |
| — PG/OP communication  | Yes  |
| — Routing  | Yes; Only with active interface  |
| — Global data communication  | No   |
| — S7 basic communication   | No   |

|   |  |
|---|--|
| — S7 communication                                    | Yes; Only server, configured on one side   |
| — S7 communication, as client                         | No; but via CP and loadable FB   |
| — S7 communication, as server                         | Yes  |
| — Direct data exchange (slave-to-slave communication) | Yes  |
| — DPV1  | No   |
| <b>Transfer memory</b>                                |  |
| — Inputs  | 244 byte   |
| — Outputs   | 244 byte   |
| <b>Protocols</b>                                      |  |
| PROFIsafe   | No   |
| <b>communication functions / header</b>               |  |
| PG/OP communication                                   | Yes  |
| Data record routing                                   | Yes  |
| <b>Global data communication</b>                      |  |
| • supported   | Yes  |
| • Number of GD loops, max.                            | 8  |
| • Number of GD packets, max.                          | 8  |
| • Number of GD packets, transmitter, max.             | 8  |
| • Number of GD packets, receiver, max.                | 8  |
| • Size of GD packets, max.                            | 22 byte  |
| • Size of GD packet (of which consistent), max.       | 22 byte  |
| <b>S7 basic communication</b>                         |  |
| • supported   | Yes  |
| • User data per job, max.                             | 76 byte  |
| • User data per job (of which consistent), max.       | 76 byte; 76 bytes (with X_SEND or X_RCV); 64 bytes (with X_PUT or X_GET as server)   |
| <b>S7 communication</b>                               |  |
| • supported   | Yes  |
| • as server   | Yes  |
| • as client   | Yes; Via CP and loadable FB  |
| • User data per job, max.                             | See online help of STEP 7 (shared parameters of the SFBs/FBs and of the SFCs/FCs of S7 Communication)                                    |
| <b>S5 compatible communication</b>                    |  |
| • supported   | Yes; via CP and loadable FC  |
| <b>Number of connections</b>                          |  |
| • overall   | 32   |
| • usable for PG communication                         | 31   |
| — reserved for PG communication                       | 1  |
| — adjustable for PG communication, min.               | 1  |
| — adjustable for PG communication, max.               | 31   |
| • usable for OP communication                         | 31   |
| — reserved for OP communication                       | 1  |
| — adjustable for OP communication, min.               | 1  |
| — adjustable for OP communication, max.               | 31   |
| • usable for S7 basic communication                   | 30   |
| — reserved for S7 basic communication                 | 0  |
| — adjustable for S7 basic communication, min.         | 0  |
| — adjustable for S7 basic communication, max.         | 30   |
| • usable for routing                                  | X1 as a MPI, max. 10; X1 as DP Master max. 24; X1 as DP Slave (active) max. 14; X2 as DP Master max. 24; X2 as DP Slave (active) max. 14 |
| <b>S7 message functions</b>                           |  |
| Number of login stations for message functions, max.  | 32; Depending on the configured connections for PG/OP and S7 basic communication   |
| Process diagnostic messages                           | Yes  |
| simultaneously active Alarm-S blocks, max.            | 300  |
| <b>Test commissioning functions</b>                   |  |
| Status block  | Yes; Up to 2 simultaneously  |
| Single step   | Yes  |
| Number of breakpoints                                 | 4  |
| <b>Status/control</b>                                 |  |
| • Status/control variable                             | Yes  |
| • Variables   | Inputs, outputs, memory bits, DB, times, counters  |

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>Number of variables, max.</li> <li>— of which status variables, max.</li> <li>— of which control variables, max.</li> </ul>  | <p>30<br/>30<br/>14</p>  |
| <b>Forcing</b>  |  |
| <ul style="list-style-type: none"> <li>Forcing</li> <li>Forcing, variables</li> <li>Number of variables, max.</li> </ul>  | <p>Yes<br/>Inputs, outputs<br/>10</p>  |
| <b>Diagnostic buffer</b>  |  |
| <ul style="list-style-type: none"> <li>present</li> <li>Number of entries, max. <ul style="list-style-type: none"> <li>adjustable</li> <li>of which powerfail-proof</li> </ul> </li> <li>Number of entries readable in RUN, max. <ul style="list-style-type: none"> <li>adjustable</li> <li>preset</li> </ul> </li> </ul> | <p>Yes<br/>500<br/>No<br/>100; Only the last 100 entries are retained<br/>499<br/>Yes; From 10 to 499<br/>10</p>   |
| <b>Service data</b>   |  |
| <ul style="list-style-type: none"> <li>can be read out</li> </ul>   | Yes  |
| <b>Standards, approvals, certificates</b>   |  |
| CE mark   | Yes  |
| UL approval   | Yes  |
| KC approval   | Yes  |
| EAC (formerly Gost-R)   | Yes  |
| <b>Use in hazardous areas</b>   |  |
| <ul style="list-style-type: none"> <li>ATEX</li> </ul>  | Yes  |
| <b>Ambient conditions</b>   |  |
| <b>Ambient temperature during operation</b>   |  |
| <ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>  | <p>-25 °C; = Tmin<br/>60 °C; = Tmax</p>  |
| <b>Ambient temperature during storage/transportation</b>  |  |
| <ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>  | <p>-40 °C<br/>70 °C</p>  |
| <b>Altitude during operation relating to sea level</b>  |  |
| <ul style="list-style-type: none"> <li>Installation altitude above sea level, max.</li> <li>Ambient air temperature-barometric pressure-altitude</li> </ul>   | <p>2 000 m<br/>Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m)</p>  |
| <b>Relative humidity</b>  |  |
| <ul style="list-style-type: none"> <li>With condensation, tested in accordance with IEC 60068-2-38, max.</li> </ul>   | 100 %; RH incl. condensation/frost (no commissioning under condensation conditions)  |
| <b>Resistance</b>   |  |
| <b>Use in stationary industrial systems</b>   |  |
| <ul style="list-style-type: none"> <li>to biologically active substances according to EN 60721-3-3</li> <li>to chemically active substances according to EN 60721-3-3</li> <li>to mechanically active substances according to EN 60721-3-3</li> </ul>   | <p>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request<br/>Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *<br/>Yes; Class 3S4 incl. sand, dust, *</p> |
| <b>Use on ships/at sea</b>  |  |
| <ul style="list-style-type: none"> <li>to biologically active substances according to EN 60721-3-6</li> <li>to chemically active substances according to EN 60721-3-6</li> <li>to mechanically active substances according to EN 60721-3-6</li> </ul>   | <p>Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request<br/>Yes; Class 6C3 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *<br/>Yes; Class 6S3 incl. sand, dust; *</p>                      |
| <b>Usage in industrial process technology</b>   |  |
| <ul style="list-style-type: none"> <li>Against chemically active substances acc. to EN 60654-4</li> <li>Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04</li> </ul>   | <p>Yes; Class 3 (excluding trichlorethylene)<br/>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)</p>         |
| <b>Remark</b>   |  |
| <ul style="list-style-type: none"> <li>Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04</li> </ul>   | * The supplied plug covers must remain in place over the unused interfaces during operation!   |
| <b>configuration / header</b>   |  |
| <b>Configuration software</b>   |  |
| <ul style="list-style-type: none"> <li>STEP 7</li> </ul>  | Yes; STEP 7 V5.5 + SP1 or higher or STEP 7 V5.3 + SP2 or higher with   |

|   |   |
|---|---|
|   | HSP 203   |
| • STEP 7 Lite                                 | No  |
| <b>configuration / programming / header</b>   |   |
| • Command set                                 | see instruction list  |
| • Nesting levels                              | 8   |
| • System functions (SFC)                      | see instruction list  |
| • System function blocks (SFB)                | see instruction list  |
| <b>Programming language</b>                   |   |
| — LAD   | Yes   |
| — FBD   | Yes   |
| — STL   | Yes   |
| — SCL   | Yes   |
| — CFC   | Yes   |
| — GRAPH                                       | Yes   |
| — HiGraph®                                    | Yes   |
| <b>Know-how protection</b>                    |   |
| • User program protection/password protection | Yes   |
| • Block encryption                            | Yes; With S7 block Privacy  |
| <b>Dimensions</b>                             |   |
| Width   | 40 mm   |
| Height  | 125 mm  |
| Depth   | 130 mm  |
| <b>Weights</b>                                |   |
| Weight, approx.                               | 360 g   |
| <b>last modified:</b>                         | 8/24/2021  |