

| System                                   | Document class                   | Title                                                                                            | Edition | Order number       | Languages |     |
|------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|---------|--------------------|-----------|-----|
|                                          |                                  |                                                                                                  |         |                    | deu       | eng |
| SINUMERIK 840D sl / 828D User            |                                  |                                                                                                  |         |                    |           |     |
| Operation                                |                                  |                                                                                                  |         |                    |           |     |
|                                          | Operating Manual                 | <a href="#">SINUMERIK 840D sl/828D Universal</a>                                                 | 08/2018 | 6FC5398-6AP41-0xA0 | X         | X   |
|                                          | Operating Manual                 | <a href="#">SINUMERIK 840D sl/828D Turning</a>                                                   | 08/2018 | 6FC5398-8CP41-0AA0 | X         | X   |
|                                          | Operating Manual                 | <a href="#">SINUMERIK 840D sl/828D Milling</a>                                                   | 08/2018 | 6FC5398-7CP41-0xA0 | X         | X   |
|                                          | Operating Manual                 | <a href="#">SINUMERIK 840D sl/828D grinding</a>                                                  | 08/2018 | 6FC5398-0EP41-0xA0 | X         | X   |
|                                          | Operating Manual                 | <a href="#">SINUMERIK 840Di sl/840D sl/840D HMI-Advanced</a>                                     | 01/2008 | 6FC5398-2AP10-3xA0 | X         | X   |
|                                          | System Manual                    | <a href="#">SINUMERIK 840D sl Smart Operation</a>                                                | 08/2018 | 6FC5397-7FP40-0xA1 | X         | X   |
|                                          | System Manual                    | <a href="#">SINUMERIK 828D Smart Operation</a>                                                   | 08/2018 | 6FC5397-7FP41-0xA1 | X         | X   |
|                                          | Programming and Operating Manual | <a href="#">SINUMERIK 840D sl ShopMill</a>                                                       | 01/2008 | 6FC5398-4AP10-2xA0 | X         | X   |
|                                          | Programming and Operating Manual | <a href="#">SINUMERIK 840D sl ShopTurn</a>                                                       | 01/2008 | 6FC5398-5AP10-2xA0 | X         | X   |
|                                          | Diagnostics Manual               | <a href="#">SINUMERIK 840D sl SINAMICS S120 Alarms</a>                                           | 08/2018 | 6FC5398-6BP40-6xA2 | X         | X   |
|                                          | Diagnostics Manual               | <a href="#">SINUMERIK 828D SINAMICS S120 Alarms</a>                                              | 08/2018 | 6FC5398-8BP40-6xA1 | X         | X   |
| Programming                              |                                  |                                                                                                  |         |                    |           |     |
|                                          | Programming Manual               | <a href="#">SINUMERIK 840D sl / 828D Fundamentals</a>                                            | 08/2018 | 6FC5398-1BP40-6xA2 | X         | X   |
|                                          | Programming Manual               | <a href="#">SINUMERIK 840D sl / 828D Job Planning</a>                                            | 08/2018 | 6FC5398-2BP40-6xA2 | X         | X   |
|                                          | Programming Manual               | <a href="#">SINUMERIK 840D sl / 828D Measuring Cycles</a>                                        | 08/2018 | 6FC5398-4BP40-6xA2 | X         | X   |
|                                          | Programming Manual               | <a href="#">SINUMERIK 840D sl / 828D ISO Turning</a>                                             | 02/2012 | 6FC5398-5BP40-6xA0 | X         | X   |
|                                          | Programming Manual               | <a href="#">SINUMERIK 840D sl / 828D ISO Milling</a>                                             | 02/2012 | 6FC5398-7BP40-3xA0 | X         | X   |
|                                          | Programming Manual               | <a href="#">SINUMERIK 840D sl SINUMERIK Run MyRobot /Direct Control</a>                          | 12/2018 |                    | X         | X   |
| SINUMERIK 840D sl Manufacturer / Service |                                  |                                                                                                  |         |                    |           |     |
| Configuring                              |                                  |                                                                                                  |         |                    |           |     |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl operator components - TCU 30.3</a>                                 | 09/2017 | A5E40874197        | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl operator components - Operator panel front: OP 010</a>             | 07/2018 |                    | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl operator components - OP 015A</a>                                  | 06/2017 | A5E41682705A AA    | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl operator components - Operator panel front: OP 012</a>             | 09/2016 |                    | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl operator components - TOP 1500, TOP 1900, TOP 2200</a>             | 12/2017 |                    | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl operator components - MCP 398C</a>                                 | 07/2018 | A5E43199783A AB    | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl operator components - general information and networking</a>       | 03/2016 | 6FC5397-1AP40-5xA3 | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl operator components - handheld devices: Handheld Terminal HT 8</a> | 02/2016 |                    | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl NCU 7x0.3 PN, NCU 7x0.3B PN</a>                                    | 06/2014 | 6FC5397-1EP40-5xA1 | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl NCU 7x0.2</a>                                                      | 02/2011 | 6FC5397-0AP20-0xA0 | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl / 840Di sl / 802D sl ADI4 - Analog drive interface for 4 axes</a>  | 03/2010 | 6FC5297-0BA01-0xP5 | X         | X   |
|                                          | Equipment Manual                 | <a href="#">SINUMERIK 840D sl, SIMATIC HMI, SIMATIC Box PC ERGOline Stage 3</a>                  | 02/2018 | 6FC5397-4FP40-0xA1 | X         | X   |
|                                          | Configuration Manual             | <a href="#">SINUMERIK Integrate Create MyHMI /WinCC V15 (Update 1)</a>                           | 04/2018 | 6FC5397-8FP40-0xA1 | X         | X   |
|                                          | Getting Started                  | <a href="#">SINUMERIK STEP 7 Toolbox V15</a>                                                     | 12/2017 | 6FC5397-1GP40-0xA0 | X         | X   |
|                                          | Configuration Manual             | <a href="#">SINUMERIK STEP 7 Toolbox V15</a>                                                     | 11/2017 | 6FC5397-0GP40-0xA0 | X         | X   |
|                                          | Configuration Manual             | <a href="#">EMC design guidelines configuration manual</a>                                       | 01/2012 | 6FC5297-0AD30-0xP3 | X         | X   |
|                                          | System Manual                    | <a href="#">SINUMERIK 840D sl / 828D Ctrl-Energy</a>                                             | 10/2015 | 6FC5397-0EP40-5xA3 | X         | X   |
|                                          | System Manual                    | <a href="#">SINUMERIK 840D sl, SINAMICS S120 guide</a>                                           | 01/2013 | 6FC5397-6CP10-0xA2 | X         | X   |
|                                          | Operating Manual                 | <a href="#">SINUMERIK 840D sl/840Di sl/840D/840Di/810D, SinuCom Installation/Service Tools</a>   | 07/2008 |                    | X         | X   |
| Commissioning                            |                                  |                                                                                                  |         |                    |           |     |
|                                          | Commissioning Manual             | <a href="#">SINUMERIK 840D sl Basesoftware and operating software</a>                            | 08/2018 | 6FC5397-1DP40-6xA2 | X         | X   |
|                                          | Commissioning Manual             | <a href="#">SINUMERIK 840D sl Commissioning CNC: NC, PLC, Drive</a>                              | 12/2017 | 6FC5397-2AP40-6xA1 | X         | X   |
|                                          | Commissioning Manual             | <a href="#">SINUMERIK 840Di sl/840D sl/840D, Base software and HMI Advanced</a>                  | 03/2009 | 6FC5397-0DP10-3xA0 | X         | X   |
|                                          | Commissioning Manual             | <a href="#">SINUMERIK 840D sl CNC: ShopMill</a>                                                  | 01/2008 | 6FC5397-4AP10-2xA0 | X         | X   |
|                                          | Commissioning Manual             | <a href="#">SINUMERIK 840D sl CNC: ShopTurn</a>                                                  | 01/2008 | 6FC5397-5AP10-2xA0 | X         | X   |
|                                          | Commissioning Manual             | <a href="#">SINUMERIK 840D sl control system SINUMERIK Software Update Tool</a>                  | 03/2018 |                    | X         | X   |
|                                          | Commissioning Manual             | <a href="#">SINUMERIK 840D sl SINUMERIK Run MyRobot /Direct Control</a>                          | 12/2018 |                    | X         | X   |
|                                          | List Manual                      | <a href="#">SINUMERIK 840D sl, SINAMICS S120 machine data and parameters</a>                     | 08/2018 | 6FC5397-7AP40-6xA2 | X         | X   |
|                                          | List Manual                      | <a href="#">SINUMERIK 840D sl, NC variables and interface signals</a>                            | 08/2018 | 6FC5397-3CP40-6xA2 | X         | X   |
|                                          | List Manual                      | <a href="#">SINUMERIK 840D sl System variables</a>                                               | 08/2018 | 6FC5397-6AP40-6xA2 | X         | X   |
| Functions                                |                                  |                                                                                                  |         |                    |           |     |
|                                          | Function Manual                  | <a href="#">SINUMERIK Operate acceptance test</a>                                                | 08/2018 |                    | X         | X   |
|                                          | Function Manual                  | <a href="#">SINUMERIK 840D sl / 828D Basic Functions</a>                                         | 08/2018 | 6FC5397-0BP40-6xA2 | X         | X   |
|                                          | Function Manual                  | <a href="#">SINUMERIK 840D sl / 828D Extended Functions</a>                                      | 08/2018 | 6FC5397-1BP40-6xA2 | X         | X   |
|                                          | Function Manual                  | <a href="#">SINUMERIK 840D sl / 828D special functions</a>                                       | 08/2018 | 6FC5397-2BP40-6xA2 | X         | X   |
|                                          | Function Manual                  | <a href="#">SINUMERIK 840D sl / 828D Synchronized Actions</a>                                    | 08/2018 | 6FC5397-5BP40-6xA2 | X         | X   |
|                                          | Function Manual                  | <a href="#">SINUMERIK 840D sl Tool Management</a>                                                | 08/2018 | 6FC5397-6BP40-6xA2 | X         | X   |
|                                          | Commissioning Manual             | <a href="#">SINUMERIK 840D sl Safety Integrated plus</a>                                         | 01/2018 | 6FC5397-1FP40-6xA1 | X         | X   |

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|                                              |                                |                                                                                                        |         |                    | deu       | eng |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl Safety Integrated</a>                                                    | 12/2017 | 6FC5397-4BP40-6AA1 | X         | X   |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl/SINAMICS S120, SINUMERIK Safety Integrated</a>                           | 10/2015 | 6FC5397-4BP40-5xA3 | X         | X   |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl / 828D ISO Dialects</a>                                                  | 02/2012 | 6FC5397-7BP40-3xA0 | X         | X   |
|                                              | Product Information            | <a href="#">SINUMERIK CNC - SINUMERIK 840D sl Overviews of functions</a>                               | 2019    |                    | X         |     |
|                                              | Product Information            | SINUMERIK 840D sl Safety Integrated / Safety Integrated plus, Safe machines with a high productivity   | 2018    |                    | X         | X   |
| <b>SINUMERIK 828D Manufacturer / Service</b> |                                |                                                                                                        |         |                    |           |     |
| <b>Configuring</b>                           |                                |                                                                                                        |         |                    |           |     |
|                                              | Equipment Manual               | <a href="#">SINUMERIK 828D PPU and components</a>                                                      | 01/2019 | 6FC5397-2DP40-6xA2 | X         | X   |
|                                              | System Manual                  | <a href="#">SINUMERIK 840D sl / 828D Ctrl-Energy</a>                                                   | 10/2015 | 6FC5397-0EP40-5xA3 | X         | X   |
| <b>Commissioning / Service</b>               |                                |                                                                                                        |         |                    |           |     |
|                                              | List Manual                    | <a href="#">SINUMERIK 828D SINAMICS S120 machine data</a>                                              | 08/2018 | 6FC5397-4DP40-6xA1 | X         | X   |
|                                              | List Manual                    | <a href="#">SINUMERIK 828D, NC variables and interface signals</a>                                     | 08/2018 | 6FC5397-4DP41-6xA1 | X         | X   |
|                                              | List Manual                    | <a href="#">SINUMERIK 828D SINAMICS S120 Parameter description</a>                                     | 08/2018 | 6FC5397-8DP40-6xA1 | X         | X   |
|                                              | List Manual                    | <a href="#">SINUMERIK 828D system variables</a>                                                        | 08/2018 | 6FC5397-5FP40-0xA1 | X         | X   |
|                                              | Commissioning Manual           | <a href="#">SINUMERIK 828D Commissioning</a>                                                           | 08/2018 | 6FC5397-3DP40-6xA1 | X         | X   |
|                                              | Service Manual                 | <a href="#">SINUMERIK 828D Software and hardware</a>                                                   | 08/2018 | 6FC5397-5DP40-6xA1 | X         | X   |
| <b>Functions</b>                             |                                |                                                                                                        |         |                    |           |     |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl / 828D Basic Functions</a>                                               | 08/2018 | 6FC5397-0BP40-6xA2 | X         | X   |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl / 828D Extended Functions</a>                                            | 08/2018 | 6FC5397-1BP40-6xA2 | X         | X   |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl / 828D special functions</a>                                             | 08/2018 | 6FC5397-2BP40-6xA2 | X         | X   |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl / 828D Synchronized Actions</a>                                          | 08/2018 | 6FC5397-5BP40-6xA2 | X         | X   |
|                                              | Function Manual                | <a href="#">SINUMERIK 828D SINAMICS S120 Safety Integrated</a>                                         | 08/2018 | 6FC5397-3EP40-6xA1 | X         | X   |
|                                              | Product Information            | <a href="#">SINUMERIK CNC controls - SINUMERIK 828 Overviews of functions</a>                          | 2018    |                    | X         | X   |
| <b>SINUMERIK 808D ADVANCED</b>               |                                |                                                                                                        |         |                    |           |     |
| <b>V4.90</b>                                 |                                |                                                                                                        |         |                    |           |     |
|                                              | Compact User Manual            | <a href="#">SINUMERIK 808D ADVANCED Programming and Operating Manual (Turning)</a>                     | 07/2018 | 6FC5398-5DP10-0xA7 |           | X   |
|                                              | Compact User Manual            | <a href="#">SINUMERIK 808D ADVANCED Programming and Operating Manual (Milling)</a>                     | 07/2018 | 6FC5398-4DP10-0xA7 |           | X   |
|                                              | Compact User Manual            | <a href="#">SINUMERIK 808D ADVANCED Programming and Operating Manual (ISO Turning/Milling)</a>         | 07/2018 | 6FC5398-0DP40-0xA4 |           | X   |
|                                              | Compact User Manual            | <a href="#">SINUMERIK 808D ADVANCED Programming and Operating Manual (Manual Machine Plus Turning)</a> | 07/2018 | 6FC5398-3DP10-0xA5 |           | X   |
|                                              | Compact User Manual            | <a href="#">SINUMERIK 808D ADVANCED Function Manual</a>                                                | 07/2018 | 6FC5397-7EP40-0xA4 |           | X   |
|                                              | Compact Operating Instructions | <a href="#">SINUMERIK 808D ADVANCED Commissioning Manual</a>                                           | 07/2018 | 6FC5397-4EP10-0xA8 |           | X   |
|                                              | Compact Operating Instructions | <a href="#">SINUMERIK 808D ADVANCED Service Manual</a>                                                 | 07/2018 | A5E42727175        |           | X   |
|                                              | List Manual                    | <a href="#">SINUMERIK 808D ADVANCED Parameter Manual</a>                                               | 07/2018 | 6FC5397-8EP40-0xA4 |           | X   |
|                                              | Diagnostics Manual             | <a href="#">SINUMERIK 808D ADVANCED Diagnostics Manual</a>                                             | 07/2018 | 6FC5398-6DP10-0xA6 |           | X   |
| <b>SINAMICS V70 / SIMOTICS S 1FL5</b>        |                                |                                                                                                        |         |                    |           |     |
|                                              | Product Information            | <a href="#">SINAMICS V70 Servo Drives</a>                                                              | 08/2013 |                    | X         | X   |
|                                              | Product Information            | <a href="#">1FL5 Motor</a>                                                                             | 2010    |                    |           | X   |
| <b>SINUMERIK Safety Integrated</b>           |                                |                                                                                                        |         |                    |           |     |
|                                              | Function Manual                | <a href="#">SINUMERIK 828D SINAMICS S120 Safety Integrated</a>                                         | 08/2018 | 6FC5397-3EP40-6xA1 | X         | X   |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl Safety Integrated</a>                                                    | 12/2017 | 6FC5397-4BP40-6AA1 | X         | X   |
|                                              | Function Manual                | <a href="#">SINUMERIK 840D sl/SINAMICS S120, SINUMERIK Safety Integrated</a>                           | 10/2015 | 6FC5397-4BP40-5xA3 | X         | X   |
|                                              | Commissioning Manual           | <a href="#">SINUMERIK 840D sl Safety Integrated plus</a>                                               | 01/2018 | 6FC5397-1FP40-6xA1 | X         | X   |
|                                              | Product Information            | SINUMERIK 840D sl Safety Integrated / Safety Integrated plus, Safe machines with a high productivity   | 2018    |                    | X         | X   |
|                                              | Function Manual                | <a href="#">SINAMICS S120 Safety Integrated Function Manual</a>                                        | 07/2018 | 6SL3097-5AR00-0AP0 | X         | X   |
| <b>SINUMERIK Integrate / MindApp</b>         |                                |                                                                                                        |         |                    |           |     |
|                                              | Configuration Manual           | <a href="#">SINUMERIK Access MyMachine / OPC UA</a>                                                    | 12/2018 | 6FC5397-1DP41-0xA2 | X         | X   |
|                                              | Configuration Manual           | <a href="#">SINUMERIK Integrate Create MyInterface (CMI)</a>                                           | 06/2018 |                    | X         | X   |
|                                              | Configuration Manual           | <a href="#">RPC SINUMERIK</a>                                                                          | 02/2018 |                    | X         | X   |
|                                              | Operating Manual               | <a href="#">SINUMERIK Integrate Create MyConfig - Diff, Expert, Topo</a>                               | 06/2018 |                    | X         | X   |
|                                              | Operating Manual               | <a href="#">SINUMERIK 840D sl / 828D / 808D SINUMERIK Access MyMachine /P2P (PC)</a>                   | 08/2018 |                    | X         | X   |
|                                              | Operating Manual               | <a href="#">SINUMERIK Integrate MMP, MMT, AMC, AMP, AMM/E, AMD</a>                                     | 07/2018 |                    | X         | X   |
|                                              | Operating Manual               | <a href="#">SINUMERIK Integrate Create MyConfig - EPLAN Electric P8 Add-In</a>                         | 12/2017 |                    | X         | X   |
|                                              | Function Manual                | <a href="#">MindApp Analyze MyPerformance /OEE-Monitor - Function Manual - October 2018</a>            | 10/2018 |                    | X         | X   |
|                                              | Operating Manual               | <a href="#">SINUMERIK Integrate Shop Floor Integrate (SFI)</a>                                         | 07/2018 |                    | X         | X   |
|                                              | Operating Manual               | <a href="#">Manage MyResources (MMR)</a>                                                               | 11/2018 |                    | X         | X   |
|                                              | Operating Manual               | <a href="#">Optimize MyProgramming / NX CAM Editor</a>                                                 | 11/2018 |                    | X         | X   |
|                                              | Function Manual                | <a href="#">MindApp Manage MyMachines - Function Manual - July 2018</a>                                | 07/2018 |                    | X         | X   |
|                                              | Function Manual                | <a href="#">MindApp Manage MyMachines - Function Manual - June 2018</a>                                | 06/2018 |                    | X         | X   |
|                                              | Function Manual                | <a href="#">MindApp Manage MyMachines/Remote - Function Manual - October 2018</a>                      | 10/2018 |                    | X         | X   |

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|                                     | Function Manual                            | <a href="#">SINUMERIK Integrate Analyze MyCondition (AMC)</a>                                                             | 07/2018 |                    | X         | X   |
|                                     | Function Manual                            | <a href="#">SINUMERIK Integrate Access MyData (AMD)</a>                                                                   | 07/2018 |                    | X         | X   |
|                                     | Installation Manual                        | <a href="#">SINUMERIK Integrate MMP, MMT, AMC, AMP, AMM/E, AMD</a>                                                        | 07/2018 |                    | X         | X   |
|                                     | Installation Manual                        | <a href="#">SINUMERIK Integrate Shop Floor Integrate (SFI)</a>                                                            | 07/2018 |                    | X         | X   |
|                                     | Installation Manual                        | <a href="#">Manage MyResources (MMR)</a>                                                                                  | 11/2018 |                    | X         | X   |
|                                     | Installation Manual                        | <a href="#">Optimize MyProgramming / NX CAM Editor</a>                                                                    | 11/2018 |                    | X         | X   |
|                                     | Application examples                       | <a href="#">MindApp Manage MyMachines powerline - Application examples - July 2018</a>                                    | 07/2018 |                    | X         | X   |
|                                     | Application examples                       | <a href="#">MindApp Manage MyMachines /Remote - Application Examples - October 2018</a>                                   | 10/2018 |                    | X         | X   |
| <b>SINAMICS S120 Built-In Units</b> |                                            |                                                                                                                           |         |                    |           |     |
|                                     | Equipment Manual                           | <a href="#">SINAMICS S120 booksize C/D-type power units</a>                                                               | 12/2018 | 6SL3097-5AC20-0xP0 | X         | X   |
|                                     | Equipment Manual                           | <a href="#">SINAMICS S120 Control Units and Additional System Components</a>                                              | 12/2018 | 6SL3097-5AH00-0xP0 | X         | X   |
|                                     | Equipment Manual                           | <a href="#">SINAMICS S120 booksize power units</a>                                                                        | 12/2018 | 6SL3097-5AC00-0xP0 | X         | X   |
|                                     | Equipment Manual                           | <a href="#">SINAMICS S120 AC Drive</a>                                                                                    | 02/2018 | 6SL3097-5AL00-0xP0 | X         | X   |
|                                     | Equipment Manual                           | <a href="#">SINAMICS S120 Combi</a>                                                                                       | 05/2018 | 6SL3097-5AV00-0xP0 | X         | X   |
|                                     | Equipment Manual                           | <a href="#">SINAMICS S120 air-cooled chassis power units</a>                                                              | 11/2017 | 6SL3097-4AE00-0xP5 | X         | X   |
|                                     | Equipment Manual                           | <a href="#">SINAMICS S120M Manual Distributed Drive Technology</a>                                                        | 12/2018 | 6SL3097-5AW00-0xP0 | X         | X   |
|                                     | System Manual                              | <a href="#">SINAMICS S120 Hydraulic Drive</a>                                                                             | 07/2016 | 6SL3097-4BA00-0xP2 | X         | X   |
|                                     | System Manual                              | <a href="#">SINAMICS S120 High Frequency Drive</a>                                                                        | 04/2015 | 6SL3097-4AH10-0xP3 | X         | X   |
|                                     | System Manual                              | <a href="#">SINAMICS S120 Booksize SIMODRIVE Cabinet integration</a>                                                      | 09/2007 | 6SL3097-0AT00-0xP0 | X         | X   |
|                                     | System Manual                              | <a href="#">SINAMICS S120 Requirements placed on third-party motors</a>                                                   | 05/2013 |                    | X         | X   |
|                                     | Commissioning Manual                       | <a href="#">SINAMICS S120 Commissioning Manual with STARTER</a>                                                           | 11/2017 | 6SL3097-4AF00-0xP6 | X         | X   |
|                                     | List Manual                                | <a href="#">SINAMICS S120/S150</a>                                                                                        | 07/2018 | 6SL3097-5AP00-0xP0 | X         | X   |
|                                     | Getting Started                            | <a href="#">SINAMICS S120 Getting Started with STARTER</a>                                                                | 11/2017 | 6SL3097-4AG00-0xP5 | X         | X   |
|                                     | Function Manual                            | <a href="#">SINAMICS S120 Function Manual Drive Functions in STARTER</a>                                                  | 07/2018 | 6SL3097-5AB00-0xP0 | X         | X   |
|                                     | Function Manual                            | <a href="#">SINAMICS S120 Safety Integrated Function Manual</a>                                                           | 07/2018 | 6SL3097-5AR00-0AP0 | X         | X   |
|                                     | Function Manual                            | <a href="#">SINAMICS Technology Extensions Installation description</a>                                                   | 08/2018 |                    | X         | X   |
|                                     | Function Manual                            | <a href="#">SINAMICS Technology Extension: POLYGON Master-value-dependent characteristic functionality</a>                | 10/2015 |                    | X         | X   |
|                                     | Function Manual                            | <a href="#">SINAMICS Technology Extension: VIBX (Vibration Extinction)</a>                                                | 07/2016 |                    | X         | X   |
|                                     | Function Manual                            | <a href="#">SINAMICS Technology Extension: SERVOCOUP (Servo Coupling)</a>                                                 | 07/2018 |                    | X         | X   |
|                                     | Function Manual                            | <a href="#">SINAMICS Technology Extension: DCDCCONV (DC-DC Converter)</a>                                                 | 04/2018 |                    | X         | X   |
|                                     | Function Manual                            | <a href="#">SINAMICS Technology Extension ROTDEC</a>                                                                      | 10/2018 | A5E42915255A AA    | X         | X   |
| <b>Measuring Systems</b>            |                                            |                                                                                                                           |         |                    |           |     |
|                                     | Compact User Manual                        | <a href="#">Absolute Value Encoder with PROFIBUS-DP</a>                                                                   | 07/2005 | 6SN1197-0AB10-0xP4 | X         | X   |
|                                     | Operating Manual                           | <a href="#">Absolute Value Encoder with PROFIBUS-DP FS 17 (or higher)</a>                                                 | 08/2014 | 6SN1197-0AB10-0xP5 | X         | X   |
|                                     | Configuration Manual                       | <a href="#">SIMAG H2 Hollow-Shaft Measuring System</a>                                                                    | 01/2011 | 6SN1197-0AB31-0xP8 | X         | X   |
|                                     | Compact Hardware Installation Instructions | <a href="#">Gebersysteme, Encoder systems ERN 1387... / S21 / EQN 1325...</a>                                             | 01/2005 |                    | X         | X   |
|                                     | Compact Hardware Installation Instructions | <a href="#">Gebersystem, Encoder system ERN 1381.001</a>                                                                  | 06/2003 |                    | X         | X   |
|                                     | Brochure                                   | <a href="#">Measuring systems, Motion Control Encoder, TTL, HTL, 1 Vpp</a>                                                | 02/2016 |                    | X         | X   |
|                                     | Product Information                        | <a href="#">Measuring systems, Motion Control Encoder, SSI - EnDat valid for the following types: 6FX2001-5.E../5.S..</a> | 09/2017 |                    | X         | X   |
|                                     | Product Information                        | <a href="#">Description for Absolut Encoder with PROFIBUS DP with hollow shaft</a>                                        | 06/2005 |                    | X         | X   |
|                                     | Product Information                        | <a href="#">Description for Absolut Encoder with PROFIBUS DP with solid shaft</a>                                         | 05/2004 |                    | X         | X   |
| <b>SIMOTICS S Servomotors</b>       |                                            |                                                                                                                           |         |                    |           |     |
| <b>1FK7 Synchronous Motors</b>      |                                            |                                                                                                                           |         |                    |           |     |
|                                     | Configuration Manual                       | <a href="#">SIMOTICS S-1FK7 G2 synchronous motors</a>                                                                     | 02/2018 | 6SN1197-0AD16-0xP5 | X         | X   |
|                                     | Service Manual                             | <a href="#">Replacing an encoder for SIMOTICS S-1FK7 G2, S-1FG1 and S-1FT7</a>                                            | 01/2018 |                    | X         | X   |
|                                     | Operating Instructions                     | <a href="#">SIMOTICS S-1FK7 G2 synchronous motors</a>                                                                     | 11/2016 | 610.40700.01d      | X         | X   |
|                                     | Operating Instructions                     | <a href="#">SIMOTICS S-1FK7 DYA G2 synchronous motors with planetary gearbox</a>                                          | 05/2018 |                    | X         | X   |
| <b>1FT6 Synchronous Motors</b>      |                                            |                                                                                                                           |         |                    |           |     |
|                                     | Operating Instructions                     | <a href="#">Three-phase servomotors 1FT6 02 - 1FT6 10</a>                                                                 | 07/2003 |                    | X         | X   |
|                                     | Product Information                        | <a href="#">Three-phase servomotors 1FT6 03 - 04, 1FT6 06 - 13</a>                                                        | 07/1996 |                    | X         | X   |
|                                     | Operating Instructions                     | <a href="#">Three-phase servomotors 1FT6 13 - 1FT6 16, in de, en, fr, es, it and sv</a>                                   | 03/2007 |                    | X         | X   |
| <b>1FT7 Synchronous Motors</b>      |                                            |                                                                                                                           |         |                    |           |     |
|                                     | Service Manual                             | <a href="#">Replacing an encoder for SIMOTICS S-1FK7 G2, S-1FG1 and S-1FT7</a>                                            | 01/2018 |                    | X         | X   |
|                                     | Operating Instructions                     | <a href="#">SIMOTICS S-1FT7 synchronous motors</a>                                                                        | 11/2016 | 610.40075.01f      | X         | X   |
|                                     | Configuration Manual                       | <a href="#">SIMOTICS S-1FT7 synchronous motors</a>                                                                        | 09/2018 |                    | X         | X   |
| <b>1FG1 Servo Geared Motors</b>     |                                            |                                                                                                                           |         |                    |           |     |
|                                     | Service Manual                             | <a href="#">Replacing an encoder for SIMOTICS S-1FK7 G2, S-1FG1 and S-1FT7</a>                                            | 01/2018 |                    | X         | X   |
|                                     | Operating Instructions                     | <a href="#">Operating Instructions for SIMOTICS S-1FG1 servo geared motors</a>                                            | 11/2015 | 610.40703.02       | X         | X   |
| <b>SIMOTICS M Main Motors</b>       |                                            |                                                                                                                           |         |                    |           |     |

| System                                              | Document class                        | Title                                                                                                                            | Edition                    | Order number           | Languages |     |
|-----------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|-----------|-----|
|                                                     |                                       |                                                                                                                                  |                            |                        | deu       | eng |
| 1PH4 Asynchron Motors                               |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Operating Instructions                | <a href="#">Operating instructions for induction motors 1PH4</a>                                                                 | 05/2010                    | 610.43093.01e          | X         | X   |
|                                                     | Configuration Manual                  | <a href="#">SINAMICS S120 Induction Motors Configuration Manual 1PH4</a>                                                         | 08/2008                    | 6SN1197-0AD64-0xP1     | X         | X   |
| 1PH7 Asynchron Motors                               |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Operating Instructions                | <a href="#">Operating instructions for induction motors 1PH7</a>                                                                 | 11/2008                    | 610.43429.21c          | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Three-phase induction motor Operating Instructions 1PH718</a>                                                        | 02/2008                    |                        | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Three-phase induction motor Operating Instructions 1PH722</a>                                                        | 03/2008                    |                        | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Three-phase induction motor Operating Instructions 1PH728</a>                                                        | 03/2008                    |                        | X         | X   |
| 1PH8 Main Motors                                    |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Operating Instructions                | <a href="#">Operating instructions main motors SIMOTICS M-1PH8 Ex-protected version for Zones 2 and 22 (M03 and M39 options)</a> | 05/2014                    | 610.48012.01           | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Synchronous motor SIMOTICS M-1PH8 1PH818, 1PH822, forced ventilated/water cooled</a>                                 | 07/2016                    | A5E35768675A AB        | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Main motors SIMOTICS M-1PH8 1PH818, 1PH822, 1PH828. forced-ventilated/water-cooled</a>                               | 10/2017                    |                        | X         | X   |
|                                                     | Operating Instructions                | <a href="#">SIMOTICS M-1PH808/1PH810 main motors</a>                                                                             | 04/2017                    | 610.48004.01f          | X         | X   |
|                                                     | Operating Instructions                | <a href="#">SIMOTICS M-1PH813/1PH816 main motors</a>                                                                             | 01/2015                    | 610.48006.01c          | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Induction motor SIMOTICS M-1PH8, 1PH8</a>                                                                            | 11/2012                    |                        | X         | X   |
|                                                     | Configuration Manual                  | <a href="#">SIMOTICS M-1PH8 main motors for SINAMICS S120</a>                                                                    | 12/2016                    | 6SN1197-0AD74-0xP2     | X         | X   |
| 1PM4/1PM6 Spindle Drives                            |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Configuration Manual                  | <a href="#">1PM6/1PM4 Hollow-Shaft Motors for Main Spindle Drives</a>                                                            | 04/2008                    | 6SN1197-0AD23-0xP0     | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Hollow Shaft Motors 1PM6 Air cooled</a>                                                                              | 12/2005                    |                        | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Hohlwellenmotoren 1PM4, liquid cooled</a>                                                                            | 12/2005                    |                        | X         | X   |
| 1FE1/1FE2 built-in motors                           |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Hardware Installation Manual          | <a href="#">SIMOTICS M-1FE1 synchronous built-in motors</a>                                                                      | 12/2016                    | 610.43000.01b          | X         | X   |
|                                                     | Hardware Installation Manual          | <a href="#">SIMOTICS 1FE2 synchronous built-in motors for SINAMICS S120 Installation Manual</a>                                  | 01/2015                    | 610.43007.01           | X         | X   |
|                                                     | Configuration Manual                  | <a href="#">SINAMICS S120 Configuration Manual Synchronous Built-in Motors 1FE1</a>                                              | 06/2010                    | 6SN1197-0AC01-0xP0     | X         | X   |
|                                                     | Configuration Manual                  | <a href="#">SIMOTICS Configuration Manual 1FE2 Synchronous Built-In Motors for SINAMICS S120</a>                                 | 01/2015                    | 610.43006.01           | X         | X   |
| 2SP1 Motor Spindles                                 |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Configuration Manual                  | <a href="#">SINAMICS S120 Configuration Manual 2SP1 ECS Motor Spindle</a>                                                        | 02/2011                    | 6SN1197-0AC04-0xP0     | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Operating Instructions, 2SP1 ECS Motor Spindle</a>                                                                   | 02/2011                    | 6SN1197-0AD14-0xP1     | X         | X   |
| SIMOTICS L Linear Motors / SIMOTICS T Torque Motors |                                       |                                                                                                                                  |                            |                        |           |     |
| 1FN3 Linear Motors                                  |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Configuration Manual                  | <a href="#">SIMOTICS L 1FN3 linear motors for SINAMICS S120</a>                                                                  | 10/2018 (de), 03/2015 (en) | 6SN1197-0AB86-0xP2     | X         | X   |
|                                                     | Operating Instructions                | <a href="#">SIMOTICS L-1FN3 Linear Motors</a>                                                                                    | 12/2016                    | 6SN1197-0AF01-0AP1     | X         | X   |
| 1FN6 Linear Motors                                  |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Configuration Manual                  | <a href="#">SINAMICS S120 drive technology SIMOTICS L-1FN6 linear motors</a>                                                     | 06/2012                    | 6SN1197-0AB78-0xP4     | X         | X   |
| 1FW3 Complete Torque Motors                         |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Operating Instructions                | <a href="#">Operating instructions, SIMOTICS T-1FW3 complete torque motors</a>                                                   | 02/2016                    | 610.40300.01f          | X         | X   |
|                                                     | Configuration Manual                  | <a href="#">SIMOTICS T-1FW3 complete motors for SINAMICS S120</a>                                                                | 11/2015                    | 6SN1197-0AD70-0xP8     | X         | X   |
| 1FW6 Built-in Torque Motors                         |                                       |                                                                                                                                  |                            |                        |           |     |
|                                                     | Configuration Manual                  | <a href="#">SIMOTICS T-1FW6 built-in torque motors for SINAMICS S120</a>                                                         | 07/2017                    | 6SN1197-0AE00-0AP9 R1A | X         | X   |
|                                                     | Configuration Manual                  | <a href="#">SIMOTICS T-1FW68 radial segment motors for SINAMICS S120</a>                                                         | 04/2017                    | 6SN1197-0AE02-0xP1     | X         | X   |
|                                                     | Configuration Manual                  | <a href="#">SIMOTICS T-1FW6 naturally cooled built-in torque motors for SINAMICS S120</a>                                        | 07/2017                    | 6SN1197-0AE01-0xP3     | X         | X   |
|                                                     | Operating Instructions                | <a href="#">SIMOTICS T-1FW68 radial segment motors</a>                                                                           | 04/2017                    | 6SN1197-0AF03-0xP1     | X         | X   |
|                                                     | Operating Instructions                | <a href="#">Naturally cooled SIMOTICS T-1FW6 built-in torque motors</a>                                                          | 07/2017                    | 6SN1197-0AF02-0xP2     | X         | X   |
|                                                     | Operating Instructions                | <a href="#">SIMOTICS T-1FW6 built-in torque motors</a>                                                                           | 07/2017                    | 6SN1197-0AF00-0xP3     | X         | X   |
|                                                     | Readme                                | <a href="#">Drive technology, safety instructions for direct drives</a>                                                          | 12/2011                    | 6SN1197-0AB71-0xP0     | X         | X   |
|                                                     | Industrial Automation Systems SIMATIC |                                                                                                                                  |                            |                        |           |     |
|                                                     | Getting Started                       | <a href="#">SIMATIC Working with STEP 7 V5.5</a>                                                                                 | 05/2010                    |                        | X         | X   |
|                                                     | Programming and Operating Manual      | <a href="#">SIMATIC Programming with STEP 7</a>                                                                                  | 04/2017                    |                        | X         | X   |
|                                                     | Programming and Operating Manual      | <a href="#">SIMATIC Configuring Hardware and Communication Connections STEP 7</a>                                                | 04/2017                    |                        | X         | X   |
|                                                     | Programming and Operating Manual      | <a href="#">SIMATIC Ladder Logic (LAD) for S7-300 and S7-400 Programming</a>                                                     | 04/2017                    |                        | X         | X   |
|                                                     | Programming and Operating Manual      | <a href="#">SIMATIC Function Block Diagram (FBD) for S7-300 and S7-400 Programming</a>                                           | 04/2017                    |                        | X         | X   |
|                                                     | Programming and Operating Manual      | <a href="#">SIMATIC Statement List (STL) for S7-300 and S7-400 Programming</a>                                                   | 04/2017                    |                        | X         | X   |
|                                                     | Reference Manual                      | <a href="#">System Software for S7-300/400 System and Standard Functions Volume 1 and Volume 2</a>                               | 05/2010                    |                        | X         | X   |
|                                                     | Equipment Manual                      | <a href="#">SIMATIC S7-300 CPU 31xC and CPU 31x: Technical specifications</a>                                                    | 03/2011                    |                        | X         | X   |
|                                                     | Operating Manual                      | <a href="#">SIMATIC PLC S7-300, CPU Specifications CPU 312 IFM to CPU 318-2 DP</a>                                               | 10/2001                    |                        | X         | X   |
|                                                     | List Manual                           | <a href="#">SIMATIC S7-300 Instruction list S7-300 CPUs and ET 200 CPUs</a>                                                      | 06/2011                    |                        | X         | X   |
|                                                     | Operating Instructions                | <a href="#">SIMATIC S7-300 CPU 31xC Technological Functions</a>                                                                  | 03/2011                    |                        | X         | X   |
|                                                     | System Manual                         | <a href="#">S7-200 System Manual</a>                                                                                             | 08/2008                    | 6ES7298-8FA24-8xH0     | X         | X   |
|                                                     | System Manual                         | <a href="#">S7-200 Programmable Controller, CPU21x</a>                                                                           | 02                         | 6ES7 298-8FA01-8AH0    | X         | X   |
|                                                     | System Manual                         | <a href="#">SIMATIC PROFINET System Description</a>                                                                              | 03/2012                    |                        | X         | X   |

| System                           | Document class         | Title                                                                                                       | Edition | Order number            | Languages |     |
|----------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------|---------|-------------------------|-----------|-----|
|                                  |                        |                                                                                                             |         |                         | deu       | eng |
|                                  | System Manual          | <a href="#">SIMATIC Communication with SIMATIC</a>                                                          | 09/2006 | EWA 4NEB 710 6075-01 04 | X         | X   |
|                                  | System Manual          | <a href="#">SIMATIC NET PC software Industrial Communication with PG/PC Volume 1 - Basics System Manual</a> | 12/2016 |                         | X         | X   |
|                                  | Programming Manual     | <a href="#">SIMATIC NET: PC software Industrial Communication with PG/PC Volume 2 - Interfaces</a>          | 11/2018 |                         | X         | X   |
|                                  | Operating Instructions | <a href="#">SIMATIC NET Twisted-Pair and Fiber-Optic Networks</a>                                           | 05/2001 | 6GK1970-1BA10-0xA0      | X         | X   |
|                                  | Operating Instructions | <a href="#">SIMATIC HMI Industrial Thin Clients ITC V3, ITC V3 PRO</a>                                      | 09/2018 |                         | X         | X   |
|                                  | Operating Instructions | <a href="#">SIMATIC HMI HMI device MP 177 (WinCC flexible)</a>                                              | 08/2008 | 6AV6691-1DP02-0xA0      | X         | X   |
|                                  | Operating Instructions | <a href="#">SIMATIC HMI HMI device Industrial Thin Client ITC1200, ITC1500, ITC1900, ITC2200</a>            | 06/2015 |                         | X         | X   |
|                                  | Operating Instructions | <a href="#">Mobile Panel 177 (WinCC flexible)</a>                                                           | 07/2005 | 6AV6691-1DK01-0xA0      | X         | X   |
|                                  | Operating Instructions | <a href="#">SIMATIC NET Industrial Remote Communication - TeleControl MODEM MD720</a>                       | 07/2014 |                         | X         | X   |
|                                  | Operating Instructions | <a href="#">SIMATIC NET DP Master Programming Interfaces</a>                                                | 07      |                         | X         | X   |
|                                  | Operating Instructions | <a href="#">SIMATIC NET FDL Programming Interface</a>                                                       | 05      |                         | X         | X   |
|                                  | Operating Instructions | <a href="#">Antenna ANT794-4MR for LTE/UMTS/GSM Compact Operating Instructions</a>                          | 07/2014 |                         | X         | X   |
|                                  | Configuration Manual   | <a href="#">HMI Lite V8.2</a>                                                                               | 2018    |                         | X         | X   |
| <b>Info / Training</b>           |                        |                                                                                                             |         |                         |           |     |
|                                  | Offer overview         | <a href="#">SINUMERIK 828D / SINUMERIK 840D sl SINUMERIK Operate - Turning</a>                              | 2017    |                         | X         | X   |
|                                  | Offer overview         | <a href="#">SINUMERIK 828D / SINUMERIK 840D sl SINUMERIK Operate - Milling</a>                              | 2017    |                         | X         | X   |
|                                  | Configuration Manual   | <a href="#">SINUMERIK / SIMOTION / SINAMICS Industrial Security</a>                                         | 05/2017 | 6FC5397-5EP40-6xA0      | X         | X   |
|                                  | Training Documents     | <a href="#">Milling with SINUMERIK, Mold making with 3 to 5-axis simultaneous milling</a>                   | 09/2018 | 6FC5095-0AB10-0xP5      | X         | X   |
|                                  | Reference Manual       | <a href="#">SINUMERIK 840D sl - Glossary, Functions and terms</a>                                           | 2017    |                         | X         | X   |
|                                  | Product Information    | <a href="#">SIMOTICS servomotors, Technical definitions for AC motors</a>                                   | 2016    |                         | X         |     |
|                                  | Training Documents     | <a href="#">SINUMERIK 828D/840D sl Operating and Programming - Milling</a>                                  | 02/2016 | 6FC5095-0AB30-0xP0      | X         | X   |
|                                  | Training Documents     | <a href="#">SINUMERIK 828D/840D sl Operating and Programming - Turning</a>                                  | 02/2016 | 6FC5095-0AB40-0xP0      | X         | X   |
|                                  | Training Documents     | <a href="#">SINUMERIK Operate SinuTrain Easy milling with ShopMill</a>                                      | 09/2011 | 6FC5095-0AB50-1xP1      | X         | X   |
|                                  | Training Documents     | <a href="#">SINUMERIK Operate SinuTrain Turning made easy with ShopTurn</a>                                 | 09/2011 | 6FC5095-0AB80-1xP1      | X         | X   |
|                                  | Compact User Manual    | <a href="#">SinuTrain for SINUMERIK Operate</a>                                                             | 01/2018 |                         | X         | X   |
| <b>Plug-in / Label Templates</b> |                        |                                                                                                             |         |                         |           |     |
|                                  | Product Information    | Handheld units                                                                                              | 2018    |                         | X         | X   |
|                                  | Product Information    | Machine Control Panels (MCP)                                                                                | 2018    |                         | X         | X   |
|                                  | Product Information    | Machine Push Button Panel (MPP)                                                                             | 2018    |                         | X         | X   |
|                                  | Product Information    | Operator Panels                                                                                             | 2018    |                         | X         | X   |