



Appendix



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Catalog LV 10

General information

Information on low-voltage power distribution and electrical installation technology	www.siemens.com/lowvoltage
Tender specifications	www.siemens.com/lowvoltage/tenderspecifications
Conversion tool	www.siemens.com/conversion-tool
Image database	www.siemens.com/lowvoltage/picturedb
CAX download manager	www.siemens.com/cax
Newsletter system	www.siemens.com/lowvoltage/newsletter
Siemens YouTube channel	www.youtube.com/Siemens
Catalogue LV 10	www.siemens.com/lv10
Catalogue LV 18	www.siemens.com/lv18
Brochures/catalogs	www.siemens.com/lowvoltage/catalogs
Operating instructions/manuals	www.siemens.com/lowvoltage/manuals
Siemens Industry Online Support (SIOS)	www.siemens.com/lowvoltage/product-support
Siemens Industry Online Support app	www.siemens.com/support-app
My Documentation Manager (MDM)	www.siemens.com/lowvoltage/mdm
Configurators	www.siemens.com/lowvoltage/configurators
Siemens Industry Mall – product catalog and online ordering system	www.siemens.com/lowvoltage/mall
Direct forwarding to the Industry Mall	www.siemens.com/product?Article No.
Training	www.siemens.com/sitrain-lowvoltage
Local contacts	www.siemens.com/lowvoltage/contact www.siemens.com/lowvoltage/components/contact www.siemens.com/lowvoltage/systems/contact www.siemens.com/lowvoltage/software/contact
Technical Support	www.siemens.com/support-request
Information on services	www.siemens.com/service-catalog
Manual for the generation, transmission and distribution of electrical energy	www.siemens.com/power-engineering-guide
Control panels for the North American market	www.siemens.com/northamerican-standards
Control panel building	www.siemens.com/controlpanel
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SIMATIC Energy Suite	www.siemens.com/energysuite
SITOP power supplies	www.siemens.com/sitop
Power distribution with Totally Integrated Power	www.siemens.com/tip

Information + ordering

Technical overviews	
Air circuit breakers	www.siemens.com/lowvoltage/produkt-support (109781188) www.siemens.com/lowvoltage/product-support (109766020)
Molded case circuit breakers	www.siemens.com/lowvoltage/product-support (109767421)
Miniature circuit breakers	www.siemens.com/lowvoltage/product-support (109769082)
Residual current protective devices/arc fault detection devices	www.siemens.com/lowvoltage/product-support (109769082)
Switching devices	www.siemens.com/lowvoltage/product-support (109769083)
Overvoltage protection devices	www.siemens.com/lowvoltage/product-support (109769084)
Fuse systems	www.siemens.com/lowvoltage/product-support (109769085)
Switch disconnectors	www.siemens.com/lowvoltage/product-support (109764946)
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Monitoring devices	www.siemens.com/lowvoltage/product-support (109769086)
Transformers, power supply units and socket outlets	www.siemens.com/lowvoltage/product-support (109764946)
Busbar systems	www.siemens.com/lowvoltage/product-support (109769087)

Technical overviews	
Terminal blocks	www.siemens.com/lowvoltage/product-support (109769088)
Power distribution boards, motor control center s and distribution boards	www.siemens.com/lowvoltage/product-support (109769089)
Busbar trunking systems	www.siemens.com/lowvoltage/product-support (109769090)
System cubicles, system lighting and system air-conditioning	www.siemens.com/lowvoltage/product-support (109769091)
All the important things at a glance	
Air circuit breakers	www.siemens.com/3WA www.siemens.com/3WL
Molded case circuit breakers	www.siemens.com/3VA
Miniature circuit breakers	www.siemens.com/mcb www.siemens.com/protection-concept
Residual current protective devices/arc fault detection devices	www.siemens.com/rccb www.siemens.com/protection-concept
Switching devices	www.siemens.com/switching-devices
Overvoltage protection devices	www.siemens.com/overvoltage-protection
Fuse systems	www.siemens.com/fuses
Switch disconnectors	www.siemens.com/switching-devices
Transfer switching equipment and load transfer switches	www.siemens.com/switching-devices sie.ag/2XBonli
Measuring devices, power monitoring and digitalization solutions	www.siemens.com/powermonitoring www.siemens.com/sentron-digital
Monitoring devices	www.siemens.com/lowvoltage
Transformers, power supply units and socket outlets	www.siemens.com/lowvoltage
Busbar systems	www.siemens.com/lowvoltage
Terminal blocks	www.siemens.com/distribution-components
Power distribution boards, motor control centers and distribution boards	www.siemens.com/sivacon-S8 www.siemens.com/distributionsystems
Busbar trunking systems	www.siemens.com/sivacon-8PS
System cubicles, system lighting and system air-conditioning	www.siemens.com/sivacon-8mf
Your product in detail	
Brochure – 3WA air circuit breakers	www.siemens.com/lowvoltage/product-support (109800077)
Brochure – Energy and data successfully put on track	www.siemens.com/lowvoltage/product-support (109747761)
Brochure – Reliable, sustainable, and efficient – TÜV-certified power monitoring system in accordance with ISO 50001	www.siemens.com/lowvoltage/product-support (109744679)
Brochure – SENTRON portfolio for power monitoring	www.siemens.com/lowvoltage/product-support (109744725)
Brochure – SIVACON 8MF1 system cubicles – As versatile as your requirements	www.siemens.com/lowvoltage/product-support (109744677)
Brochure – The plus for your business: Intelligent. Flexible. Safe. Low-voltage switchboard SIVACON S8 ^{plus}	www.siemens.com/lowvoltage/product-support (109747937)
Catalog LV 70 · 2019 – SIVACON 8PS busbar trunking systems – BD01, BD2 up to 1250 A	www.siemens.com/lowvoltage/product-support (109744546)
Quick selection guide – 3WA air circuit breakers	www.siemens.com/lowvoltage/product-support (109781967)
Quick selection guide – 3WL air circuit breakers	www.siemens.com/lowvoltage/product-support (109751638)
SENTRON powermanager – update and benefit	www.siemens.com/lowvoltage/product-support (109805178)
Technical basic information – 3VA molded case circuit breakers	www.siemens.com/lowvoltage/product-support (109766672)
Technical basic information – 3WL air circuit breakers	www.siemens.com/lowvoltage/product-support (109767789)
Technical basic information – ALPHA distribution systems	www.siemens.com/lowvoltage/product-support (109778911)
Technical basic information – SENTRON power monitoring and digital solutions	www.siemens.com/lowvoltage/product-support (109769851)
Technical basic information – SENTRON protection concept	www.siemens.com/lowvoltage/product-support (109767456)
Technical basic information – SIVACON 8MF1 system cubicle	www.siemens.com/lowvoltage/product-support (109767386)
Technical basic information – SIVACON S4 power distribution boards and ALPHA UNIVERSAL distribution boards	www.siemens.com/lowvoltage/product-support (109767882)
Technical basic information – Switch disconnectors and transfer switching equipment	www.siemens.com/lowvoltage/product-support (109763354)

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Technology primer – Miniature circuit breakers	www.siemens.com/lowvoltage/product-support (109482304)
Technology primer – Overvoltage protection devices	www.siemens.com/lowvoltage/product-support (109756965)
Technology primer – Residual current protective devices	www.siemens.com/lowvoltage/product-support (109482301)
Siemens YouTube channel	
3WA air circuit breaker – Teaserfilm	bit.ly/3p14AOZ
3WA air circuit breaker – Highlightfilm	bit.ly/2Y0iWD2
3WL air circuit breakers (general)	bit.ly/2ZH1rXH
3VA molded case circuit breakers (general)	bit.ly/2xNxIFA
Miniature circuit breakers (general)	bit.ly/2kJP2Dq
Residual current protective devices (general)	bit.ly/2YuWkNc
Siemens fuse systems	bit.ly/2kWaepz
Power monitoring (general)	bit.ly/2IZ9QqC
Siemens ALPHA FIX terminal blocks – 8WH2 terminal with spring-loaded-connection	bit.ly/2kKVz0D
Power distribution – SIVACON (general)	bit.ly/2m4oSLI
Siemens SIVACON S4 power distribution boards up to 4000 A	bit.ly/2krni6h
Everything you need for your order	
Air circuit breakers	sie.ag/2lXiZjB
Molded case circuit breakers	sie.ag/2mmLcAk
Miniature circuit breakers	sie.ag/2kTFXI5
Residual current protective devices/arc fault detection devices	sie.ag/2m55Y7j
Switching devices	sie.ag/2m4eG5M
Overvoltage protection devices	sie.ag/2kTfyTV
Fuse systems	sie.ag/2kW3pnU
Switch disconnectors	sie.ag/36HDIzp
Transfer switching equipment and load transfer switches	sie.ag/2mmMw6g
Measuring devices and power monitoring	sie.ag/2kTH9Lz
Digitalization solutions	sie.ag/2olliNi
Library for SIMATIC	sie.ag/2kpbwcs
SENTRON powermanager/SENTRON powerconfig	sie.ag/2kJJuF
Monitoring devices	sie.ag/2m3no4A
Transformers, power supply units and socket outlets	sie.ag/2mmSHHu
Busbar systems	sie.ag/2lXoUFI
Terminal blocks	sie.ag/2kW8ZXo
SIVACON S4 power distribution boards	sie.ag/2JUQwE4
ALPHA distribution boards	sie.ag/2kURLd8
Overvoltage protection devices	sie.ag/2kTfyTV
SIMARIS planning tools	sie.ag/2m3oFbS
SIVACON 8PS	sie.ag/2lXpCT1 www.siemens.com/sivacon8PS-contact
System cubicles, system lighting and system air-conditioning	sie.ag/339cQB9
SIVACON S8	www.siemens.com/sivacon-partnerfinder www.siemens.com/sivaconS8-contact
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3KD switch disconnectors – End-to-end safety for user and systems	www.siemens.com/lowvoltage/catalogs (109750228)
3LD2 main control and EMERGENCY-STOP-switching equipment – End-to-end safety for user and systems	www.siemens.com/lowvoltage/catalogs (109755626)
3NP1 fuse switch disconnectors – End-to-end safety for user and systems	www.siemens.com/lowvoltage/catalogs (109755624)
3KF switch disconnectors with fuses – End-to-end safety for user and systems	www.siemens.com/lowvoltage/catalogs (109750229)

Order support	
3NJ6 switch disconnectors with fuses – End-to-end safety for user and systems	www.siemens.com/lowvoltage/catalogs (109755619)
3KC automatic transfer switching equipment (ATSE) – End-to-end safety for user and systems	www.siemens.com/lowvoltage/catalogs (109755620)
3KC remotely operated transfer switching equipment (RTSE) – End-to-end safety for user and systems	www.siemens.com/lowvoltage/catalogs (109755627)
3KC manual transfer switching equipment (MTSE) – End-to-end safety for user and systems	www.siemens.com/lowvoltage/catalogs (109750227)
SIVACON 8PS – BD01 and BD2	www.siemens.com/LV70
3WA air circuit breakers – Made for makers. Simply reliable.	www.siemens.com/lowvoltage/catalogs (109800074)
Configurators	
3WA air circuit breakers	www.siemens.com/lowvoltage/3wa-configurator
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3WL10 air circuit breakers	www.siemens.com/lowvoltage/3wl10-configurator
3VA molded case circuit breakers	www.siemens.com/lowvoltage/3va-configurator
3VA27 molded case circuit breakers	www.siemens.com/lowvoltage/3va27-configurator
SITOR semiconductor fuses	www.siemens.com/lowvoltage/sitor-configurator
3NJ63 switch disconnectors	www.siemens.com/lowvoltage/3nj63-configurator
3NP1 fuse switch disconnectors	www.siemens.com/lowvoltage/3np1-configurator
SIVACON 8MF1 system cubicle	www.siemens.com/lowvoltage/8mf1-configurator
SIVACON 8PS	sie.ag/2IXpCT1

Commissioning + operation

Tools/software	
SIMARIS configuration	www.siemens.com/simarisconfig
SENTRON powerconfig	www.siemens.com/powerconfig
SIMARIS planning tools	www.siemens.com/simaris
SIMARIS therm	www.siemens.com/simaristherm
Manuals	
Communication manual – 3VA molded case circuit breakers with IEC and UL certification	www.siemens.com/lowvoltage/manuals (98746267)
Communication manual – 3WL air circuit breakers via COM35 – PROFINET IO, Modbus TCP	www.siemens.com/lowvoltage/manuals (109757987)
Communication manual – 3WL10 air circuit breakers & 3VA27 molded case circuit breakers	www.siemens.com/lowvoltage/manuals (109760220)
Communication manual – SENTRON PAC5100/5200 7KM5212/5412	www.siemens.com/lowvoltage/manuals (109477870)
Configuration manual – 3VA selectivity	www.siemens.com/lowvoltage/manuals (109743975)
Configuration manual – 3WL1 air circuit breakers	www.siemens.com/lowvoltage/manuals (35681108)
Configuration manual – Busbar systems	www.siemens.com/lowvoltage/manuals (109769746)
Configuration manual – Busbar systems	www.siemens.com/lowvoltage/manuals (81379793)
Configuration manual – Fuse systems	www.siemens.com/lowvoltage/manuals (45314810)
Configuration manual – Low-voltage protection devices selectivity tables	www.siemens.com/lowvoltage/manuals (109748621)
Configuration manual – Measuring devices and power monitoring	www.siemens.com/lowvoltage/manuals (45315973)
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Configuration manual – Overvoltage protection devices	www.siemens.com/lowvoltage/manuals (45315289)
Configuration manual – Residual protective devices/ arc fault detection devices	www.siemens.com/lowvoltage/manuals (45303255)
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Configuration manual – Switch disconnectors	www.siemens.com/lowvoltage/manuals (109769744)

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Manuals

Configuration manual – Transfer switching equipment and load transfer switches	www.siemens.com/lowvoltage/manuals (109769745)
Configuration manual – Transformers, power supply units and socket outlets	www.siemens.com/lowvoltage/manuals (45315886)
Equipment manual – 3KD switch disconnecter	www.siemens.com/lowvoltage/manuals (109758120)
Equipment manual – 3KC3 and 3KC6 transfer switching equipment	www.siemens.com/lowvoltage/manuals (109754954)
Equipment manual – 3KC0 manual transfer switching equipment	www.siemens.com/lowvoltage/manuals (109763232)
Equipment manual – 3KC4 and 3KC8 transfer switching equipment	www.siemens.com/lowvoltage/manuals (109738725)
Equipment manual – 3KC ATC3100 transfer control device	www.siemens.com/lowvoltage/manuals (100341671)
Equipment manual – 3KC ATC6300 transfer control device	www.siemens.com/lowvoltage/manuals (109755149)
Equipment manual – 3VA27 molded case circuit breakers & 3WL10 air circuit breakers	www.siemens.com/lowvoltage/manuals (109753821)
Equipment manual – 3VA molded case circuit breakers with IEC certificate	www.siemens.com/lowvoltage/manuals (90318775)
Equipment manual – 3WA air circuit breakers	www.siemens.com/lowvoltage/manuals (109763061)
Equipment manual – 3KC ATC6500 transfer control device	www.siemens.com/lowvoltage/manuals (109758018)
Equipment manual – 7KT PAC1600 energy meter	www.siemens.com/lowvoltage/manuals (109759827)
Equipment manual – 7KT PAC1600 multimeter	www.siemens.com/lowvoltage/manuals (109760293)
Equipment manual – PAC2200 measuring device	www.siemens.com/lowvoltage/manuals (109746835)
Equipment manual – SENTRON PAC3200 Power monitoring device	www.siemens.com/lowvoltage/manuals (26504150)
Equipment manual – PAC3200T measuring device	www.siemens.com/lowvoltage/manuals (109746833)
Equipment manual – PAC3100 measuring device	www.siemens.com/lowvoltage/manuals (37881976)
Equipment manual – SENTRON PAC5100/5200 7KM5212/5412	www.siemens.com/lowvoltage/manuals (109477872)
Equipment manual – 7KM PAC3120 and 7KM PAC3220	www.siemens.com/lowvoltage/manuals (109767307)
Equipment manual – 7KN POWERCENTER 3000	www.siemens.com/lowvoltage/manuals (109763838)
Equipment manual – 7KM Power Monitoring Device PAC2200CLP	www.siemens.com/lowvoltage/manuals (109783220)
Installation manual – Circuit protection devices with communication and measuring function	www.siemens.com/lowvoltage/manuals (109791805)
Manual – SIVACON S4	www.siemens.com/lowvoltage/manuals (25909512)
Operating Manual – Software SIMARIS therm planning tool	www.siemens.com/lowvoltage/manuals (109744553)
Planning manual – Planning with SIVACON 8PS	www.siemens.com/lowvoltage/manuals (109478425)
Planning manual – SIVACON S8 – Technical planning information	www.siemens.com/lowvoltage/manuals (107113936)
Quick installation guide – 7KN POWERCENTER 3000	www.siemens.com/lowvoltage/manuals (109766001)
SEM3™ – Embedded Micro Metering Module™	www.siemens.com/lowvoltage/manuals (109748928)
System manual – 3WA air circuit breaker communication	www.siemens.com/lowvoltage/manuals (109792368)
System manual – 3WL/3VL circuit breakers with communication capability – Modbus	www.siemens.com/lowvoltage/manuals (39850157)
System manual – 3WL/3VL circuit breakers with communication capability – PROFIBUS	www.siemens.com/lowvoltage/manuals (12560390)
System manual – SENTRON 3NJ62 In-Line Plug-In switch disconnectors with fuses	www.siemens.com/lowvoltage/manuals (31753460)
System manual – SENTRON 3NP1 fuse switch disconnecter	www.siemens.com/lowvoltage/manuals (33515690)
System manual – 7KT multichannel current measuring system	www.siemens.com/lowvoltage/manuals (109483442)
System manual – SENTRON PAC4200 Power monitoring device	www.siemens.com/lowvoltage/manuals (34261595)
System manual – Circuit protection devices with communication and measuring function	www.siemens.com/lowvoltage/manuals (109791806)

Face-to-face or online training

Video tutorial on the 3WL air circuit breaker	www.lowvoltage.siemens.com/wcms/3wl-tutorial
Protection systems in low-voltage power distribution	www.siemens.com/sitrain-lowvoltage (WT-LVAPS)
3WL10 air circuit breaker, size 0	www.siemens.com/sitrain-lowvoltage (WT-LVA3WL0)

Face-to-face or online training	
3WL air circuit breakers, sizes 1-3	www.siemens.com/sitrain-lowvoltage (WT-LVA3WL)
3VA molded case circuit breaker	www.siemens.com/sitrain-lowvoltage (WT-LVA3VA)
Protection concept	www.siemens.com/sitrain-lowvoltage (WT-LVBPC)
5SM6/5SV6 arc fault detection devices	www.siemens.com/sitrain-lowvoltage (WT-LVBAFDD)
Power monitoring with SENTRON	www.siemens.com/sitrain-lowvoltage (WT-LVAEM)
SIMARIS configuration	www.siemens.com/sitrain-lowvoltage (WT-LVASIMC)
Communication with SENTRON components	www.siemens.com/sitrain-lowvoltage (LV-COM)
Maintenance and operation of 3WL circuit breakers with subsequent certification option	www.siemens.com/sitrain-lowvoltage (LV-CBMAIN) www.siemens.com/sitrain-lowvoltage (LV-CBCERT)
Project planning and selection of SENTRON circuit breakers	www.siemens.com/sitrain-lowvoltage (LV-CBPROJ)
Energy Management with Powermanager 5.x – User training	www.siemens.com/sitrain-lowvoltage (LV-PM5)
Energy Management with Powermanager 5.x including graphic module – User training	www.siemens.com/sitrain-lowvoltage (LV-PM5-G)
SIVACON 8PS	www.power-academy.siemens.com
SENTRON circuit protection devices with measuring and communication function	www.siemens.com/sitrain-lowvoltage (WT-LVBCOM)
Basic principles of electrical engineering	www.siemens.com/sitrain-lowvoltage (WT-LVBGET)
3WA air circuit breakers	www.siemens.com/sitrain-lowvoltage (WT-LV3WA)
LV-3WA Basic	www.siemens.com/sitrain-lowvoltage (LV-3WA_BA)
LV-3WA Advanced	www.siemens.com/sitrain-lowvoltage (LV-3WA_AD)
ALPHA 3200 low voltage switch boards – technic and software	www.siemens.com/sitrain-lowvoltage (LV-ALPHAT)
ALPHA 3200 low voltage switch boards – mounting	www.siemens.com/sitrain-lowvoltage (LV-ALPHAPB)

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SIRIUS Monitor for monitoring and responding	www.siemens.com/sirius-monitor
Control and signaling devices SIRIUS ACT – Performance in Action	www.siemens.com/sirius-act
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Systematic industrial safety technology: Safety Integrated	www.siemens.com/safety-integrated
SIMOCODE pro motor management	www.siemens.com/simocode
Explosion protection (ATEX)	www.siemens.com/sirius/atex
Configurators – SIRIUS	www.siemens.com/sirius/configurators
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¹⁾ The text of the Terms and Conditions of Siemens AG can be downloaded at https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf

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If you transfer goods (hardware and/or software and/or technology as well as corresponding documentation, regardless of the mode of provision) delivered by us or works and services (including all kinds of technical support) performed by us to a third party worldwide, you shall comply with all applicable national and international (re-)export control regulations. In any event of such transfer of goods, works and services you shall comply with the (re-) export control regulations of the Federal Republic of Germany, of the European Union and of the United States of America.

Prior to any transfer of goods, works and services provided by us to a third party you shall in particular check and guarantee by appropriate measures that

- there will be no infringement of an embargo imposed by the European Union, by the United States of America and/or by the United Nations by such transfer, by brokering of contracts concerning those goods, works and services or by provision of other economic resources in connection with those goods, works and services, also considering the limitations of domestic business and prohibitions of by-passing those embargos;
- such goods, works and services are not intended for use in connection with armaments, nuclear technology or weapons, if and to the extent such use is subject to prohibition or authorization, unless required authorization is provided;
- the regulations of all applicable Sanctioned Party Lists of the European Union and the United States of America concerning the trading with entities, persons and organizations listed therein are considered.

If required to enable authorities or us to conduct export control checks, you, upon request by us, shall promptly provide us with all information pertaining to the particular end customer, the particular destination and the particular intended use of goods, works and services provided by us, as well as any export control restrictions existing.

You acknowledge that under the EU embargo regulations against Iran, Syria and Russia respectively the sale of certain listed goods and related services is subject to authorization by the competent export control authorities of the European Union. If (1) the goods or services ordered by you are destined for Iran, Syria or Russia, and (2) the contract for our supplies and/or services is subject to prior authorization of the competent export control authorities of the European Union, the contract between you and us shall come into force in this respect only upon granting of such authorization.

The products listed in this catalog may be subject to European/ German and/or US export regulations. Any export requiring approval is therefore subject to authorization by the relevant authorities. Errors excepted and subject to change without prior notice.

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Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the Internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial security measures that may be implemented, please visit <https://www.siemens.com/industrialsecurity>.

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <https://www.siemens.com/cert>.

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

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