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Abbreviation	Source of abbreviation	Meaning/explanation
A/D	Analog/Digital	
AC	Adaptive Control	
\$CUT\$		
AC	Alternating Current	Alternating current/three-phase current
ACOP	Advanced COProcessor	
ACR	Axis Converter	
ACX	Access description Compressed and Compressed XML format eXtensible	
ADC	Analog Digital Converter	
AI	Analog Input	
AIM	Active Interface Module	
ALM	Active Line Module	
ALM	Automation License Manager	Software for managing software license keys
AM	Absolute encoder, Multi-turn	
AM	Account Manager	
AM	Asynchronous Motor drive	
AMC	Analyze MyCondition	
AMP	Analyze MyPerformance	
ANA	ANalog Axis	
AO	Analog Output	
AOP	Advanced Operator Panel	
AP	Activation Point	
APC	Advanced Position Control	
APC	Advanced Process Control	Efficient process control via control mechanisms
APR	Access Protection Read	Read access
APW	Access Protection Write	Write access
AR	Automatic Restart	
AS	Absolute encoder, Single-turn	
AS	Automation System	
ASC	Armature Short Circuit	
ASCII	American Standard Code for Information Interchange	American code standard for the exchange of information
AS-i	Actuator Sensor interface	AS-Interface is a fieldbus for the actuator/sensor level in automation systems.
ASIC	Application Specific Integrated Circuit	Application-specific integrated circuit
ASM	Anwender-Speichermodul	User-memory module
ASM	ASynchronous Motor	
ASP	Application Service Provider	
AST	Auto Servo Tuning	
ASTM	American Society for Testing and Materials	An international standardization organization with headquarters in the USA
ASUB	Asynchronous SUBprogram	Asynchronous subprogram
ATR	Automatic Tag Reader	
ATW	Acceptance Test Wizard	
AUTO	Automatic	CNC operating mode

AWG	American Wire Gauge	
BCS	Basic Coordinate System	
BERO		Name for a contactless proximity/limit switch
BGV	Berufsgenossenschaftliche Vorschriften	Regulations of the German Trade Association
BI	Binector Input	
BIA	Berufsgenossenschaftliches Institut für Arbeitssicherheit	BG-Institute for Occupational Safety and Health
BICO	Binector Connector	
BIOS	Basic Input Output System	
BLM	Basic Line Module	
B-MPI	Handheld unit with MPI connection	
BO	Binector Output	
BOP	Basic Operator Panel	
BRK	Break	
BSS	Authorization key-operated switch	
BTR	Behind Tape Reader	
BZS	Basic Zero System	
CAD	Computer Aided Design	
CAM	Corporate Account Manager	
CAN	Controller Area Network	Serial bus system
CB	Communication Board	Communication module
CBA	Component-Based Automation	
CBC	Communication Board CAN	
CBE	Communication Board Ethernet	
CC	Central Controller	
CCFL	Cold Cathode Fluorescent Lamp	Fluorescent lamp for background lighting
CCG	Cam Contour Grinding	
CCU	Compact Control Unit	
CD	Compact Disk	
CDON	Collision Detection ON	
CDP	Customer Development Plan	
CD-ROM	Compact Disk ROM	
CDS	Command Data Set	
CE	Conformité Européenne	European Conformity
CEC	Cross Error Compensation	Sag/angularity compensation
CEO	Chief Executive Officer	
CF	CompactFlash	
CI	Connector Input	
CLC	Clearance Control	
CLR	Clear	
CM	Control Module	
CNC	Computerized Numerical Control	Computer-supported numerical control for machine tools
CO	Connector Output	
CO/BO	Connector Output / Binector Output	
COB-ID	CAN Object Identification	
COD	Command Output Disable	
CoL	Certificate of License	
COM	Common contact of a changeover relay	Center contact of a changeover contact

COM	Communication Module	
COMM	Commissioning	
COMM	Commissioning	Startup
CP	Communications Processor	
CPU	Central Processing Unit	
CRC	Cyclic Redundancy Check	Checksum check
CRT	Cathode Ray Tube	
CS	Customer Support	
CSB	Central Service Board	
CSM	Control Supply Module	
CSP	Concentrated Solar Power	Conversion of thermal solar energy into electrical energy
CT Editor	Customizing Template Editor	
CTS	Clear To Send	Signals that data is ready to be sent for serial data interfaces
CU	Control Unit	
CUA	Control Unit Adapter	
CUD	Control Unit DC MASTER	
CUTE	Common Use Terminal Equipment	
DAC	Digital Analog Converter	Digital to analog converter
DB	Data Block	
DC	Direct Current	DC current
DC Link	DC Link	The DC link is the component of the converter (or converter system) which combines the input converter (rectifier) with the output converter (one or several inverters).
DCB	Drive Control Block	
DCBRK	DC Brake	
DCC	Drive Control Chart	Graphical configuring of device functionality with freely available blocks
DCM	DC MASTER	DC converters of the SINAMICS converter family
DCN	Direct Current Negative	
DCP	Discovery and basic Configuration Protocol	Standard for the assignment of IP addresses
DCP	Direct Current Positive	
DC-PMM	DC Power Management Module	Dual-fed induction motor
DDE	Dynamic Data Exchange	
DDS	Drive Data Set	
DE	Drive End	Drive end of motor Motor front end with shaft extension
DFIG	Double-Fed Induction Generator	Double-fed induction generator
DGUV	Deutsche Gesetzliche Unfallversicherung	German social accident insurance
DHCP	Dynamic Host Configuration Protocol	Protocol for automatic assignment of IP addresses from a DHCP server to a client computer
DI	Digital Input	
DI/DO	Digital Input / Digital Output	Digital input/output, bidirectional
DIN	Deutsches Institut für Normung e. V.	German Institute for Standardization (DIN)
DIP	Dual In-Line Package	Dual in-line arrangement

DKM	Direct Key Module	
DMC	DRIVE-CLiQ Hub Module Cabinet-Mounted	
DME	DRIVE-CLiQ Hub Module External	
DMP	Distributed Machine Peripherals (I/Os)	
DMS	Direct Measuring System	
DNC	Direct Numerical Control	
DO	Digital Output	
DO	Drive Object	
DP	Decentralized Peripherals	Distributed I/O
DPM	Direct Part Marking	Adding a marking directly to the surface of a product
DPR	Dual Port RAM	
DPRAM	Dual-Port Random Access Memory	Random access memory with dual-port access
DRAM	Dynamic Random Access Memory	
DRF	Differential Resolver Function	Differential resolver function (incremental work offset via handwheel)
DRIVE-CLiQ	Drive Component Link with iQ	
DRY		DRY run feedrate
DSB	Decoding Single Block	
DSC	Drive Servo Control	
DSC	Dynamic Servo Control	
DSF	Dedicated Sales Forces	
DSP	Digital Signal Processor	
DTC	Digital Time Clock	Time switch
DWORD	Double Word	
DXF	Drawing eXchange File format	
E		
EASC	External Armature Short Circuit	
ECC	Error Correcting Code	Method of error correction in memory blocks
ECC RAM	Error-correcting code RAM	
ECD	Equivalent Circuit Diagram	
ECOS	Electronic Check Out System	Dispatch check after assembly of products
ECU	Economic Control Unit	
EDMS	Energy Data Management System	
EDS	Encoder Data Set	
EEC	Encoder Error Compensation	Measuring system error compensation
EES	Execution from External Storage	
EEx	European standard EXplosion safe	Protection class for motors for use in hazardous areas
EFP	Single I/O	
EKS	Electronic Key System	Identification system
ELCB	Earth Leakage Circuit-Breaker	Residual current operated circuit-breaker
ELG	ELectronic Gear	
ELP	Earth Leakage Protection	Ground-fault monitoring
EMC	Electromagnetic Compatibility	
EMC	Engineered Motion Control	Model-based motion control
EMF	ElectroMagnetic Force	
EMF	ElectroMotive Force	
EMS	Energy Management System	

EN	European standard	
EnDat	Encoder Data interface	Encoder interface
EP	Electronic Point	
EP	Enable Pulses	Pulse enable
EPC	Engineering, Procurement and Contracting	Plant manufacturers
EPD	Environmental Product Declaration	Information about the ecological footprint of a product
EPos	Basic positioner	
EPROM	Erasable Programmable Read Only Memory	
ERP	Enterprise Resource Planning	Planning the use of business resources
ES	Engineering System	
ESD	Electrostatic Sensitive Devices	Electrostatic sensitive modules/components
ESD	Electrostatic Discharge	
ESR	Extended Stop and Retract	
E-STOP	Emergency Stop	
EU	Expansion Unit	
EULA	End User License Agreement	
EUNA	End User Notification Administration	
ex	Explosion-proof	
EXE	EXternal pulse shaper Electronics	
F		
FA	Factory Automation	
FAQ	Frequently Asked Questions	
FAT	Factory Acceptance Test	Acceptance test at manufacturer's premises
FB	Function Block	
FBD	Function Block Diagram	Graphical programming language for programmable logic controllers
FBG	Function Block Group	
FBL	Free Blocks	Free function blocks
FBL	Function Block Language	
FC	Function Call	
FCC	Function Control Chart	
FCC	Flux Current Control	
FCS	Frequency Compensated Spindle drive	
FCS	Field Control Station	
FD	Function Diagram	Function block diagram
FDD	Feed Drive	Feed drive
F-DI	Failsafe Digital Input	
F-DO	Failsafe Digital Output	
FEED	Front End Engineering & Design	Early planning phase of a plant engineering project
FEM	Separately excited synchronous motor	
FEPROM	Flash EPROM	Non-volatile write and read memory
FFS	Flash File System	
FFT	Fast Fourier Transformation	
FG	Function Generator	
FI	Fault current	I is the standard symbol for current

FIFO	First In First Out	
FM	Function Module	
FOC	FOrce Control	
FOC	Fiber-Optic Cable	Fiber-optic cable
FP	Function Plan	Function block diagram
FPGA	Field Programmable Gate Arra	
Frame		Description of transformations in Cartesian coordinates
FRC	FeedRate for Chamfer/Rounding (non-modal)	Feedrate for chamfer/rounding (non-modal)
FRCM	Feedate for Chamfer/Rounding (Modal)	Feedrate for chamfer/rounding (modal)
FSB	Front Side Bus	
FSRO	Field Service Return Order	
FW	Firmware	
G		
G	Grinding	
GAM	Global Account Manager	
GC	Global Control	Global control telegram (broadcast telegram)
GD	Global Data	
GND	Ground	Ground (reference potential for all signal and operating voltages, usually defined with 0 V)
GPRS	General Packet Radio Service	General packet-oriented radio service for data transmission in GSM and UMTS networks
GSD	Generic Station Description	A GSD file describes a PROFIBUS device according to the PROFIBUS standard
GSM	Global System for Mobile Communications	Global standard for fully digital mobile networks
GSV	Gate Supply Voltage	
GUD	Global User Data	
GUID	Globally Unique IDentifier	
GWPS	Grinding Wheel Peripheral Speed	
H		
H System	High-availability system	
HART	Highway Addressable Remote Transducer	Protocol for bus-addressed field devices
HF	High Frequency	High frequency (above 13.56 MHz)
HFD	Radio frequency reactor	
HGA	Connection for handheld units	
HHU	HandHeld Unit	
HID	Human Interface Device	Device class of the USB standard that describes devices with which users interact directly, e.g. keyboard, mouse.
HLA module	Module for hydraulic linear drives	
HMI	Human Machine Interface	
HPC axis	High-Precision C axis	
HPU	Hand-held Programming Unit	
HRS	High Resolution Speed	
HSC	High-Speed Cutting	High-speed milling
HT	Handheld Terminal	
HTL	High-level Transistor Logic	Incremental encoder with HTL signal

HTL	High-Threshold Logic	Logic with high interference threshold
HVDCT	High Voltage Direct Current Transmission	
HW	Hardware	
I		
I	Input	
I/O	Input/Output	
I/RF module	Infeed/Regenerative Feedback unit, stabilized	
I2C	Inter-Integrated Circuit	Internal serial data bus
IASC	Internal Armature Short Circuit	
IC	Integrated Circuit	
IC	InCremental encoder	Incremental encoder sin/cos with commutation position C and D tracks
ID	Identifier	Identification
IDC	Insulation Displacement Connector	Name for insulation displacement terminals
IDE	Integrated Drive Electronics	
IE	International Efficiency	
IE	Industrial Ethernet	Networking technology for devices in industrial manufacturing
IEC	International Electrotechnical Commission	International standardization committee for standards in the area of electrical engineering and electronics.
IF	Interface	
IGBT	Insulated Gate Bipolar Transistor	Bipolar transistor with insulated control electrode
IGCT	Integrated Gate-Controlled Thyristor	Semiconductor circuit breaker with integrated control electrode
IM	Interface Module	
IN	INcremental encoder sin/cos without commutation position	
IP	International Protection	
IPC	Industrial Personal Computer	
IPC	Instructions Per Cycle	Number of instructions that can be executed in a cycle
IPO cycle	Interpolation cycle	
IQ-Sense		Intelligent point-to-point link for sensors
IS	Interface signal	
ISA	Industrial Standard Architecture	Bus standard for IBM-compatible PCs
ISO	International Standards Organization	International organization for standardization
IT	Isolé Terre	Non-grounded three-phase line supply
IVP	Internal Voltage Protection	
IWLAN	Industrial Wireless Local Area Network	Reliable global transmission of production data and contactless operation of machines
J		
JIT	Just-In-Time	Reducing flow times within production systems for on-time delivery
JOG	Jogging	CNC operating mode: Setting the machine via JOG mode
K		
KDV	(Kreuzweiser DatenVergleich)	Data cross-check

KI	K Instructions	1 KI = 1024 instructions
KIP	Kinetic buffering	
KT	Customer keys	
KTY		Silicon temperature sensor
L		
LAD	LADder logic	Programming method for programmable logic controllers
LAN	Local Area Network	
LCA	Life Cycle Assessment	Calculation or life cycle analysis of the environmental impact of a product
LCD	Liquid Crystal Display	
LEC	Leadscrew Error Compensation	
LED	Light-Emitting Diode	
LIN	Linear motor	
LMS	Length Measurement System	
LPT	Line Print Terminal	Data transfer via a parallel interface
LR	(Lageregler)	Position controller
LR cycle	Position controller cycle	
LS	Linear Scale	
LSB	Least Significant Bit	
LSC	Line-Side Converter	
LSC	Local Service Contract	
LSC	Line-side converter	
LSS	Line-Side Switch	Power switch
LU	Length Unit	Unit of length
LUD	Local User Data	
LVDS	Low Voltage Differential Signaling	Standardized high-speed data transmission for the digital control of liquid crystal screens.
M		
M	Ground	Reference potential for all signal and operating voltages, usually defined with 0 V
M	Milling	
MAC	Media Access Control	
MC	Motion Control	
MCC	Motion Control Chart	
MCI	Motion Control Interface	
MCIS	Motion Control Information System	
MCP	Machine Control Panel	
MCS	Machine Coordinate System	
MCU	Motion Control Unit	
MD	Machine Data	
MDA	Manual Data Automatic	CNC operating mode (MDA is equivalent to MDI)
MDA	Machine Data Acquisition	
MDI	Manual Data Input	Manual input of data
MDS	Mobile Data Storage	
MDS	Motor Data Set	
MES	Manufacturing Execution System	Manufacturing management system
MF	MultiFunction keyboard	
MG	Mode Group	
MLFB	Machine-Readable Product Code	Article number
MM	Motor Module	

MMC	Man-Machine Communication	
MMC	Micro Memory Card	
MMM	Manage MyMachine	
MMP	Manage MyPrograms	
MMT	Manage MyTools	
MOP	Main Operator Panel	
MP	Mobile Panel	
MPC	Multi-Point Controller	
MPF	Main Program File	Part program
MPI	Multi-Point Interface	Multi-point serial interface
MPP	Machine Push Button Panel	
MS	Mains Supply	
MSB	Most Significant Bit	
MSC	Motor Side Converter	
MSCY_C1	Master Slave Cycle Class 1	Cyclic communication between master (class 1) and device
MSD	Main Spindle Drive	
MSEC	Measuring System Error Compensation	
MT	Probe	
MT	Machine Tool	
MTBF	Mean Time Between Failure	
N		
N. C.	Not Connected	Not connected, connection unassigned
NAMUR	Standardization association for measurement and control in chemical industries	
NC	Normally Closed (contact)	NC contact
NC	Numerical Control	Numerical control
NCK	Numerical Control Kernel	NC kernel with block preparation, travel range, etc.
NCU	Numerical Control Unit	
NDE	Non Drive End	Non-drive end of motor Motor rear end, opposite the shaft extension
NEMA	National Electrical Manufacturers Association	Low-voltage standards committee in the USA
NM	Zero mark	
NO	Normally Open (contact)	NO contact
NOCO	NODding COmpensation	
NURBS	Non-Uniform Rational B-Splines	Universal interpolator
NVM	Non-Volatile Memory	
NVRAM	Non-Volatile Random Access Memory	Non-volatile memory for read/write operations
NX	Numerical Extension	Axis expansion board
O		
O	Output	
OA	Open Architecture	
OB	Organization Block	
OC	Operating Condition	
OCM	Operator control and monitoring station	

ODA	Operating Data Acquisition	
OEE	Overall Equipment Effectiveness	Effectiveness of the overall system
OEM	Original Equipment Manufacturer	Original equipment manufacturers are manufacturers of finished machines and components that are used in industrial production operations.
OLP	Optical Link Plug	Bus connector for fiber-optic cable
OM	Operating Mode	
OMI	Option Module Interface	
OP	Operator Panel	Operator panel/panel front
OPC	Open Platform Communications	Protocol standard for industrial communication
OPI	Operator Panel Interface	
OS	Harmonics	
OS	Operating System	
OSS	On-Site Service	
OSS	Open Source Software	
P		
P3SI	Products, Systems, Solutions and Service for Industries	
PA	Process Automation	
PB	Panel builder	Control panel manufacturer
PB	PROFIBUS	
PC	Personal Computer	
PcCtrl	PC Control	Master control
PCI	Peripheral Component Interconnect	Bus standard for connection of I/O devices with a CPU
PCIN		Data transmission program for PC
PCMCIA	Personal Computer Memory Card International Association	
PCS	Process Control System	
PCT	Process control technology	
PCU	Panel Control Unit	Electronic control unit for the operator interface
PCU	PC Unit	Computer unit
PD	PROFIdrive	
PDS	Power unit Data Set	
PDS	Power Drive System	
PE	Protective Earth	Protective ground
PELV	Protective Extra Low Voltage	Functional extra-low voltage with safe isolation
PF	Power failure	
PG	Programming device	
PI	Proportional Integral	
PI services	Program Invocation services	
PID	Proportional Integral Differential	
PII	Process Image of Inputs	
PIQ	Process Image of Outputs	
PIV	Parameter identifier value	
PKM	Parallel Kinematics Machines	
PL	Performance Level	
PLC	Programmable Logic Controller	

PLG	PLanetary Gear	
PLL	Phase-Locked Loop	
PLM	Product Lifecycle Management	Process of product control from the draft to the discontinuation stage
PM	Power Module	
PM	Project management	
PMM	Permanent-Magnet synchronous Motor	
PN	PROFINET	
PNO (PI)	PROFIBUS user organization (PROFIBUS International)	
POK	Power Supply Okay	
PP	Push Button Panel	
PPI	Point-to-Point Interface	
PPR	Pulses per revolution	
PPU	Panel Processing Unit	
PPU	Protected Power Unit	
PRBS	Pseudo Random Binary Signal	White noise
PROFIBUS	Process Field Bus	Standard for fieldbus communication in automation systems
PROFINET		Industrial Ethernet in automation engineering
PRT	PRogram Test	
PS	Pulse Suppression	
PS	Power Supply	
PSA	Power Stack Adapter	
PSS	Product and Solution Security	
PST	Parameterization and Startup Tool	
PST	Procedure Step	Program step
PTC	Positive Temperature Coefficient	
PTP	Point-to-Point	
PUD	Global Program User Data	
PWM	Pulse Width Modulation	
PZD	Process data	
Q		
QDS	Quality Data Save	
QEC	Quadrant Error Compensation	
QWERTY		Keyboard layout: Standard American keyboard layout
QWERTZ		Keyboard layout: Standard German keyboard layout
R		
R	Resolver	
RAID	Redundant Array of Independent Disks	
RAM	Random Access Memory	Read/write memory
RCCB	Residual Current Circuit Breaker	Residual current operated circuit-breaker
RCD	Residual Current Device	Residual current operated circuit-breaker
RCM	Residual Current Monitor	
RCM	Robot-Controlled Machine	
RDCC	Redundant Distributed Cartesian Coordinates	
RDY	Ready	Ready for operation

RED	Robust Eco Design	Siemens process for implementing ecological criteria in products as part of DEGREE (decarbonization and resource efficiency)
REF	Reference point	
Repos	Repositioning	
RES	Reset	
RFG	Ramp-Function Generator	
RFID	Radio Frequency IDentification	Identification via radio waves Process for automatic identification of objects and also for the automatic recording and storage of data.
RISC	Reduced Instruction Set Computer	
RJ45	Registered Jack 45	Term for an 8-pin socket system for data transmission with shielded or non-shielded multi-wire copper cables
RKA	Cooling unit	
RO	Read Only	
ROBX	Robotic Extended	
ROD	Rotary Incremental Encoder System	
RoHS	Restriction of the use of certain Hazardous Substances	
ROM	Read Only Memory	
ROV	Rapid Traverse Override	
RPC	Remote Procedure Call	
RPDO	Receive Process Data Object	
RPE	Rotor Position Encoder	
RS232C	Recommended Standard 232C	Interface standard for conducted serial data transfer
RS485	Recommended Standard 485	Interface standard for a conducted differential, parallel and/or serial bus system
RSC	Repair Service Contract	
RTC	Real-Time Clock	
RTCP	Real Time Control Protocol	
RTCP	Remote Tool Center Point	
RTU	Remote Terminal Unit	
S		
S/R	Signals per Revolution	Pulses per revolution
S/R	Steps per Revolution	
SAE	Signal Amplifier Electronics	
SAM	Safe Acceleration Monitor	
SAT	Site Acceptance Test	Acceptance test at installation site
SBC	Safe Brake Control	
SBH	Safe Operating Stop	
SBL	Single Block	
SBR	Safe Brake Ramp	Safe brake ramp monitoring
SCA	Safe Cam	
SCADA	Supervisory Control and Data Acquisition	Data from different sensors are controlled by a central computer
SCL	Structured Control Language	Programming of complex algorithms and mathematical functions
SCM	Supply Chain Management	
SD	Setting Data	

SD card	Secure Digital card	Secure digital memory card
SDI	Safe Direction	Safe motion direction
SDRAM	Synchronous Dynamic Random Access Memory	
SE	Safe software limit switch	
SEC	Space Error Compensation	Spatial compensation for kinematic transformations
SEL	Selector switch	
SFB	System Function Block	
SFC	System FunCtions	
SGA	Safety-related output	
SGE	Safety-related input	
SH	Shaft Height	
SH	Safe standstill	
SI	Safety Integrated	
SIL	Safety Integrity Level	
SIROT	Service Inter Regional Order Tracking	
SIS	Safety Instrumented System	
SKP	SkiP block	
sl	solution line	
SLG	Write/Read Device	
SLM	Smart Line Module	
SLP	Safely-Limited Position	
SLS	Safely Limited Speed	
SLVC	Sensorless Vector Control	
SM	Sensor Module	
SM	Signal Module	
SMC	Sensor Module Cabinet-Mounted	
SME	Sensor Module External	
SMI	Sensor Module Integrated	
SMTE	SINUMERIK Machining Technology Extensions	subsequently loadable machining technologies for extending the scope of functions of a SINUMERIK control system
SN	Sicherer Software-Nocken (safe software cam)	
SNMP	Simple Network Management Protocol	
SOP	Sub-Operator Panel	
SOS	Safe Operating Stop	
SP	Service Pack	
SPC	Setpoint Channel	
SPF	Sub Program File	Subroutine
SPI	Serial Peripheral Interface	
SPL	Safe Programmable Logic	
SPOS	Spindle POSitioning	
SR	Safe Retraction	
SRAM	Static RAM	Static memory (buffered)
SRM	Supplier Relationship Management	
SS1	Safe Stop 1	Safe Stop 1 (time-monitored, ramp-monitored)
SS2	Safe Stop 2	Safe stop 2

SSD	Solid State Drive	Non-volatile electronic memory medium
SSI	Synchronous Serial Interface	
SSM	Safe Speed Monitor	Safe feedback from speed monitor
SSO	Single Sign On	
SSP	SINAMICS Support Package	
STL	STatement List	Programming method for programmable logic controllers
STN	Super Twisted Nematic	
STO	Safe Torque Off	
STW	(Steuerwort)	control word
SUS	Software Update Service	Contract for updating a software license
SVA	Space-Vector Approximation	
SVGA	Super VGA	800 × 600 pixels, max. 16 million colors
SW	SoftWare	
SXGA	Super XGA	1280 × 1024 pixels
SYNACT	SYNchronized ACTion	
SZS	Settable Zero System	
T		
T	Turning	
T	Tool	
TB	Terminal Board	
TC	Tool Change	
TCP	Tool Center Point	
TCP/IP	Transmission Control Protocol/Internet Protocol	
TCU	Thin Client Unit	Communication with operator panel
TFT	Thin Film Transistor	
TG	TachoGenerator	
TIA	Totally Integrated Automation	End-to-end automation concept
TIP	Totally Integrated Power	
TM	Terminal Module	
TMC	Terminal Module Cabinet-Mounted	
TN	Terre Neutre	Non-grounded three-phase line supply
TO	Tool Offset	
TP	Touch Panel	
TPDO	Transmit Process Data Object	
TPM	Total Productive Maintenance	
TRA	Threat and Risk Analysis	
TRANSMIT	TRANSform Milling Into Turning	
TS	TeleService	
TSS	Tool Setting Station	
TT	Terre Terre	Grounded three-phase line supply
TTL	Transistor-Transistor Logic	
TTM	Time-To-Market	
U		
U/f		Voltage/frequency
UI module	Uncontrolled Infeed module	
UL	Underwriters Laboratories Inc.	

UMTS	Universal Mobile Telecommunications System	Wireless standard
UPS	Uninterruptible Power Supply	
USB	Universal Serial Bus	
USS	(Universelle serielle Schnittstelle)	Universal Serial Interface
UTC	Universal Time Coordinated	
V		
V.24		Standard interface
VC	Virtual Commissioning	
VC	Vector Control	
VDE	Verband der Elektrotechnik Elektronik Informationstechnik e. V.	Association of Electrical Engineering, Electronics and Information Technology (Germany)
VDEW	Verband Deutscher Elektrizitätswerke	Association of German Electrical Supply Companies
VDI	Verein Deutscher Ingenieure e. V.	Association of German Engineers
VDI interface		Signal interface (NCK-PLC) approved by control and machine manufacturers
VGA	Video Graphics Array	640 × 480 pixels, 16 colors
VIBX	VIBration eXtinction	
VNC	Virtual Network Computing	
VO	Voltage Output	
VPM	Voltage Protection Module	
VPN	Virtual Private Network	Integration of devices from a neighboring network into own network without the two networks having to be compatible
VS	Value Services	Bundles services into integrated, customer-driven solution
VSM	Voltage Sensing Module	
W		
WBT	Web-Based Training	
WCS	Workpiece Coordinate System	
WEEE	Waste of Electrical and Electronic Equipment	
WG	Worm Gear	
WHR	Waste Heat Recovery	Heat recovery
WLAN	Wireless Local Area Network	
WOP	Workshop-Oriented Programming	
WSG	(Winkelschrittgeber)	Angular step encoder
WYSIWYG	What You See Is What You Get	
X		
XGA	Extended Graphics Array	1024 × 768 pixels
XML	Extensible Markup Language	
Z		
ZM	Zero Mark	
ZSW	(Zustandswort)	Status word