TwinCAT 3 Base

TC1275 | TC3 PLC/NC PTP 10/NC I/CNC E

TwinCAT CNC export version (E version): extension of the TwinCAT PLC/NC PTP 10 by the possibility to realise an interpolation with up to 4 simultaneously interpolating axes. The number of axes and/or the number of channels can be adapted to the requirements of the application via the option packages. Various transformations can be supplemented via option packages. Programming takes place according DIN 66025. The axes and channels are configured in TwinCAT Engineering.

– max. 8 path axes/controlled spindles, max. 64 axes/controlled spindles (optional), max. 12 channels (optional)
– max. 4 simultaneously interpolating path axes
– supports electric servo axes, stepper motor drives subroutine and jump technology, programmable loops, zero point shifts, tool corrections, M and H functions, mathematical functions, programming of parameters/variables, user macros, spindle and auxiliary functions, zero point shifts, tool functions
– geometry functions: linear, circular and helical interpolation at the main levels and freely definable levels, max. 4 interpolating path axes per channel (optional), look-ahead function
– axis functions, coupling and gantry axis function, override, axis error and sag compensation, measuring functions
– programming in DIN 66025 with high-level language extension
– access via function blocks from TwinCAT PLC according to IEC 61131-3
– operation with automatic mode, manual mode (jog/inch), single block mode, referencing, block advance, handwheel mode (movement/overlay)
– convenient debugging with online monitoring of all states

Technical data	TC1275
Target system	Windows 7/8/10

Ordering information	
TC1275-0v50	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 50 (Performance Plus)
TC1275-0v60	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 60 (Mid Performance)
TC1275-0v70	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 70 (High Performance)
TC1275-0v80	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 80 (Very High Performance)
TC1275-0v81	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 81 (Many-core 5…8 Cores)
TC1275-0v82	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 82 (Many-core 9…16 Cores)
TC1275-0v83	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 83 (Many-core 17…32 Cores)
TC1275-0v84	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 84 (Many-core 33…64 Cores)
TC1275-0v90	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 90 (Other)
TC1275-0v91	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 91 (Other 5…8 Cores)
TC1275-0v92	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 92 (Other 9…16 Cores)
TC1275-0v93	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 93 (Other 17…32 Cores)
TC1275-0v94	TC3 PLC/NC PTP 10/NC I/CNC E, Plattform 94 (Other 33…64 Cores)