



TF5065 | TC3 Motion Control XFC

eXtreme Fast Control (XFC) is the technique that enables very fast, temporally high-precision reactions using EtherCAT, special I/O terminals and TwinCAT on the PC. Using EtherCAT Distributed Clocks (DC) and appropriate terminals, distributed latches or cam controllers can be implemented simply in this way.

- function blocks for the high-precision acquisition and switching of digital signals related to axis positions
- EtherCAT Distributed Clocks with the timestamp-based EtherCAT EL1252, EL2252 or EL2262 input and output terminals
- blocks for the conversion of DC time to position and vice versa
- convenient PLCopen-compliant TouchProbe block
- digital cam controller as PLCopen-compliant block

In conjunction with TwinCAT NC I, function blocks are available for high-precision switching of signals depending on the path position.

Technical data	TF5065
Required	TC1250, TC1260
Target system	Windows 7/8/10, Windows CE

Ordering information	
TF5065-0v40	TC3 Motion Control XFC, platform 40 (Performance)
TF5065-0v50	TC3 Motion Control XFC, platform 50 (Performance Plus)
TF5065-0v60	TC3 Motion Control XFC, platform 60 (Mid Performance)
TF5065-0v70	TC3 Motion Control XFC, platform 70 (High Performance)
TF5065-0v80	TC3 Motion Control XFC, platform 80 (Very High Performance)
TF5065-0v81	TC3 Motion Control XFC, platform 81 (Many-core 5...8 Cores)
TF5065-0v82	TC3 Motion Control XFC, platform 82 (Many-core 9...16 Cores)
TF5065-0v83	TC3 Motion Control XFC, platform 83 (Many-core 17...32 Cores)
TF5065-0v84	TC3 Motion Control XFC, platform 84 (Many-core 33...64 Cores)
TF5065-0v90	TC3 Motion Control XFC, platform 90 (Other)
TF5065-0v91	TC3 Motion Control XFC, platform 91 (Other 5...8 Cores)
TF5065-0v92	TC3 Motion Control XFC, platform 92 (Other 9...16 Cores)
TF5065-0v93	TC3 Motion Control XFC, platform 93 (Other 17...32 Cores)
TF5065-0v94	TC3 Motion Control XFC, platform 94 (Other 33...64 Cores)