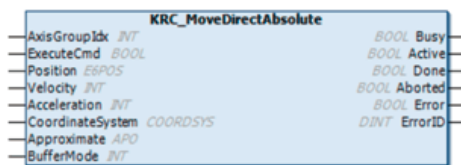




TF5120 | TC3 Robotics mxAutomation

TC3 Robotics mxAutomation allows direct communication between the PLC and the KUKA KR C4 robot control via a common interface. The robot movements can be programmed directly in the PLC, and the actual values of the robot can be synchronised in real time. TC3 Robotics mxAutomation combines PLC control and robot on a single platform and enables programming from an existing system without knowledge of a specific robot programming language.

Communication takes place via EtherCAT, with the TwinCAT EtherCAT master and the KR C4 controller from KUKA exchanging data via the EL6692 or EL6695 EtherCAT bridge terminals. In doing so, drive commands are transmitted from the controller to the robot and actual values from the robot to the controller. Commands can be transmitted very quickly from the PLC to the robot thanks to this efficient, high-performance communication. In addition, the PLC programmer has access to the robot position data at all times in real-time.



Technical data	TF5120
Required	TC1200
Target system	Windows XP, Windows 7/8/10, Windows CE

Ordering information	
TF5120-0040	TC3 Robotics mxAutomation, platform 40 (Performance)
TF5120-0050	TC3 Robotics mxAutomation, platform 50 (Performance Plus)
TF5120-0060	TC3 Robotics mxAutomation, platform 60 (Mid Performance)
TF5120-0070	TC3 Robotics mxAutomation, platform 70 (High Performance)
TF5120-0080	TC3 Robotics mxAutomation, platform 80 (Very High Performance)
TF5120-0081	TC3 Robotics mxAutomation, platform 81 (Many-core 5...8 cores)
TF5120-0082	TC3 Robotics mxAutomation, platform 82 (Many-core 9...16 cores)
TF5120-0083	TC3 Robotics mxAutomation, platform 83 (Many-core 17...32 cores)
TF5120-0084	TC3 Robotics mxAutomation, platform 84 (Many-core 33...64 cores)
TF5120-0090	TC3 Robotics mxAutomation, platform 90 (Other)
TF5120-0091	TC3 Robotics mxAutomation, platform 91 (Other 5...8 cores)
TF5120-0092	TC3 Robotics mxAutomation, platform 92 (Other 9...16 cores)
TF5120-0093	TC3 Robotics mxAutomation, platform 93 (Other 17...32 cores)
TF5120-0094	TC3 Robotics mxAutomation, platform 94 (Other 33...64 cores)