E6.7.2

MECHATRONICS

E6.7.2.1
MCS with PLC for 3 Stations

E6.7.2.2
MCS with PLC for 5 Stations

MCS with PLC for 5 Stations (E6.7.2.2)

Cat. No.	Description	E6.7.2.1	E6.7.2.2
8-2 412352-000-10-0	Module FMPE: Gravity-feed Magazine with testing device	1	1
8-2 412353-000-10-0	Module SU: Swivelling Object-Transfer Device	1	1
8-2 412361-000-10-0	Module LAG03: Storage Depot with 3 stacks	1	
8-2 412357-000-10-0	Control Console BP	1	1
8-2 412362-000-10-0	Manual Service Unit	1	1
8-2 412358-000-10-0	Assortment of Small Parts and Tools	1	1
8-1 530025-000-10-0	Polyamide hose, 6/4 mm, transparent, 20 m	1	1
8-2 412470-100-10-1	Power supply 24 V DC, 6.5 A, for 230 V AC	1	
744 902	Compressor Connection Hosing	1	1
744 600	Low-noise Compressor	1	1
500 59	Safety bridging plugs, black, set of 10	1	1
500 851	Safety connecting leads, 32 A, set of 32	1	1
500 852	Safety connecting leads, 32 A, yellow/green, set of 10	1	1
726 10	Panel frame T150, two-level	1	1
773 077	Simatic S7-1516 PN/DP TP	1*	1*
8-2 412374-000-10-0	STEP7 application software for MCS CD	1*	
8-2 412354-000-10-0	Module MA: Measurer / Counter, analog		1
8-2 412366-000-10-0	Module PPF02: Pick and Place, pneumatic, 2 positions		1
8-2 412355-000-10-0	Module SORT03: Sorting Station		1
8-2 412991-000-10-1	ET200S-Profibus module for two MCS-models, 4 mm safety sockets		1
730 4312	PROFIBUS cable		2

Cat. No.	Description	E6.7.2.1	E6.7.2.2
730 4313	Bus connecting plug RS 485		2
	additionally required: 1 PC with Windows 7/8/10		

* additionally recommended

Mechatronic Compact System

The MCS (Mechatronic Compact System) is comprised of three individual systems, each with a basic mechatronic function. Connecting the systems determines the interaction of mechanics, pneumatics, electronics and SPC programming.

Topics

- Programs for process control
- Creation of sequential controls
- Differentiation of manual and automatic functions in programs.
- Plans for driving pneumatic valves.
- Collision-proof provision on a tray
- Micro switch for position recognition
- etc.

Experiments require the Siemens software TIA Portal to create programs.

The equipment can require additional software modules.