

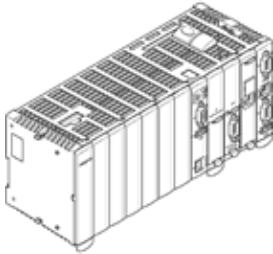
Controller CMXR-C2

Part number: 567869
Product to be discontinued

FESTO

[Modular robotic controller with Codesys V2.3](#)

Type to be discontinued. Available until 2017. See Support Portal for alternative products.



Data sheet

Feature	Value
Ambient temperature	0 ... 50 °C
Mounting type	with top-hat rail
Product weight	1,270 g
CE mark (see declaration of conformity)	to EU directive for EMC
Authorisation	C-Tick c UL us - Listed (OL)
Protection class	IP20
Storage temperature	-40 ... 70 °C
Materials note	Contains PWIS substances Conforms to RoHS
Relative air humidity	10 - 95 %
Fieldbus coupling	2 x CANopen Master
Max. fieldbus transmission speed	1 Mbit/s
Bus connection	Plug 9-pin Sub-D
Controller operating mode	Automatic mode Manual operation
Operating voltage	24 VDC +25% / -20%
Status displays	7-segment display LED green = power
Ethernet, number	1
Ethernet, supported protocols	TCP/IP
CPU data	256 MB SDRAM 512 KB SRAM 600 MHz processor
USB interface	USB 2.0
Slots	1x optional Ethernet module 1x optional CAN module 1x serial interface module 1x compact flash type 1
Test for insensitivity to vibration	EN 60068-2-6-FC 5 - 9 Hz 3,5 mm 9 - 150 Hz 1g
Test for insensitivity to shock	EN 60068-2-27 EA 15 g, 11 ms (half sine)
Safety class	III
Power consumption 24 V	30 W
Memory card	Compact Flash 256 MB
Operator unit	Handheld terminal
Total number of axes	9
Distribution of the axes	3 basic axes

Feature	Value
	3 wrist axes 3 auxiliary axes
Switching methods	E/A Stand-alone E/A (16E/16A) E/A + PROFIBUS DP PROFIBUS DP
Supported kinetics	2-axis gantries (X-Z / Y-Z / X-Y) 3-axis gantries X-Y-Z Any interpolation Tripod kinematics
Coordinate systems	Axis coordinates (joint) Cartesian coordinates (global) Tool coordinates
Expansions	Max. 12 expansion cards Digital I/O cards Analogue I/O cards Encoder card PROFIBUS-DP-Slave
Programming software	CDSA-D1-VX FCT (Festo Configuration Tool) Device-specific plug-in
Programming language	Textual macro language Festo Teach Language (FTL)
Program organisation	with FTL programs
Command set	Mathematical functions
Max. number of commands	approx. 10000
Configuration support	FCT (Festo Configuration Tool) Device-specific plug-in
Control elements	CTRL pushbutton