

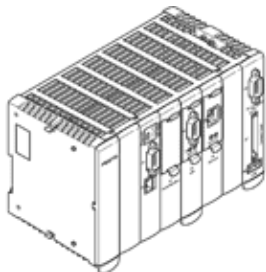
# Controller CMXR-C1

Part number: 552095  
Product to be discontinued

FESTO

Modular robotic controller.

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	580 g
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Authorization	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	Manual operation
Operating voltage	24 VDC +20% / -15%
Status displays	7-segment display LED green = power
Ethernet, number	1
Ethernet, supported protocols	TCP/IP
CPU data	64 MB DRAM 400 MHz processor
USB interface	USB 1.1
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	14 W
Memory card	Compact Flash >= 128 MB
Operator unit	Handheld terminal
Total number of axes	6
Distribution of the axes	3 basic axes 1 wrist axis 3 auxiliary axes

<b>Feature</b>	<b>Value</b>
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 Parallel kinematic system
Coordinate systems	Axis coordinates (joint) Cartesian coordinates (global) Tool coordinates
Expansions	Max. 8 expansion cards Digital I/O cards Analog I/O cards Encoder card PROFIBUS-DP-Slave
Programming software	CDSA-D1-VX FCT (Festo Configuration Tool)
Programming language	Textual macro language Festo Teach Language (FTL)
Program organization	with FTL programs
Command set	Mathematical functions
Max. number of commands	approx. 1500
Configuration support	FCT (Festo Configuration Tool) Plug-in for CMXR-C1
Control elements	CTRL pushbutton