

Multi-axis controllers CMXR-C1

FESTO



Multi-axis controllers CMXR-C1

Key features

At a glance			
Powerful – reducing cycle times with optimum motion		Economical – reducing costs with easy configuration	
Reducing cycle times is a requirement of all customers. There are limits, however, to what is possible based on, for example, the mechanical system, the travel distances or the maximum forces acting on a workpiece.	The challenge is to be quick and at the same time protect the mechanical system. The multi-axis controller CMXR offers the following features: • Motion path smoothing • Ramp shapes for acceleration • Constant path speed	Reducing costs is always an important issue. The Festo Configuration Tool (FCT) in combination with the programming language Festo Teach Language (FTL) makes configuration quick and easy and significantly shortens configuration times.	This enables the full focus to be on developing the application, since the basic motion programs are contained in the CMXR. The FTL programming tool utilises these basic programs. The FTL programs can therefore be used immediately.
Reliable – easy handling of tools in three dimensions		Reliable – easy integration with finished interfaces	
The flange is not the end of a kinematic system. Mounted on the flange are the tools, which can, for example, comprise pneumatic drives such as the semi-rotary drive DRQD. Tools oriented other than vertically are a challenge for a controller. The CMXR enables the end position of the tool, for example a vacuum suction cup, to be defined three-dimensionally and	transfers this point to the programmed path. This feature also makes it easy to move the three-dimensionally positioned tool in the direction of the tool's path simply by pressing a button on the teach pendant CDSA. The teach-in of positions on parts slides, for example, is thus very easy and efficient.	The CMXR system offers fully defined interfaces for actuation via an external controller. This can be done with a simple method using digital signals or via a Profibus. These interfaces enable programs to be selected, started or stopped, for example. The Profibus variant also offers the option of reading or writing variables from the CMXR controller.	This transfer of variables enables movements to be influenced or even coupled with a process running on the external controller. To minimise the complexity when using an external PLC, modules for the PLC systems Siemens Simatic S7 and systems based on CoDeSys V2.3 are supplied for actuation via Profibus.
Flexible – from simple to complex kinematic systems			
Cartesian system 	Tripod 	The multi-axis controller CMXR is the heart of a complete kinematic system solution. It combines a mechanical system, electrical drive technology and control technology into a complete motion control package with integrated and harmonised interfaces for all system components involved. The multi-axis controller enables simple axis movements, from point to point to complex path control. It is able to control simple and complex kinematic systems with up to 6 degrees of freedom in three dimensions. These include, among others, linear and three-dimensional gantries (Cartesian systems) as well as tripod kinematic systems.	

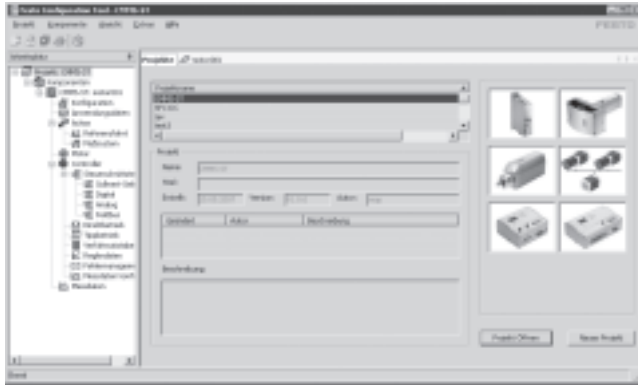
Multi-axis controllers CMXR-C1

Key features

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At a glance

Convenient – quick and easy configuration



The main requirements for product configuration software are speed, reliability and user-friendliness. The multi-axis controller CMXR, like other products from Festo, is configured via the Festo Configuration Tool (FCT). Electrical variables (e.g. inputs and

outputs) as well as mechanical variables (e.g. choice of the kinematic system) are defined in the configuration. The sophisticated user guidance system guarantees quick and easy configuration of the complex multi-axis system.

Transparent – programming in plain text with FTL

Via teach pendant CDSA



Via Festo Configuration Tool (FCT)

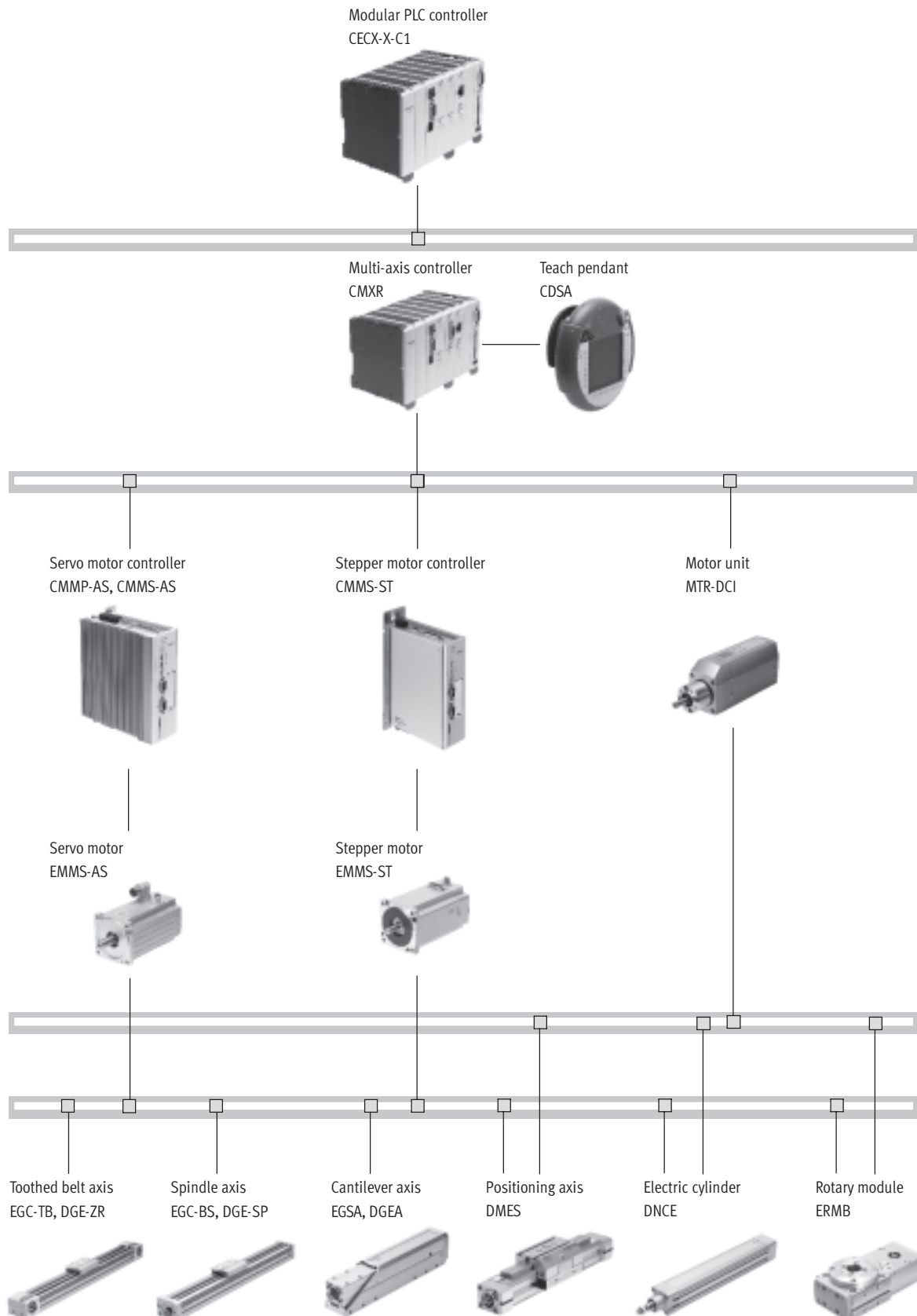


Multi-axis controllers CMXR-C1

Key features

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Everything from a single source – perfectly co-ordinated



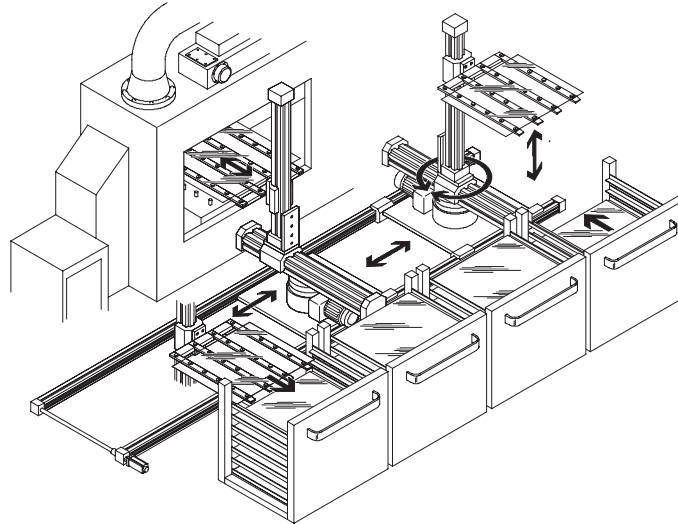
Multi-axis controllers CMXR-C1

Key features

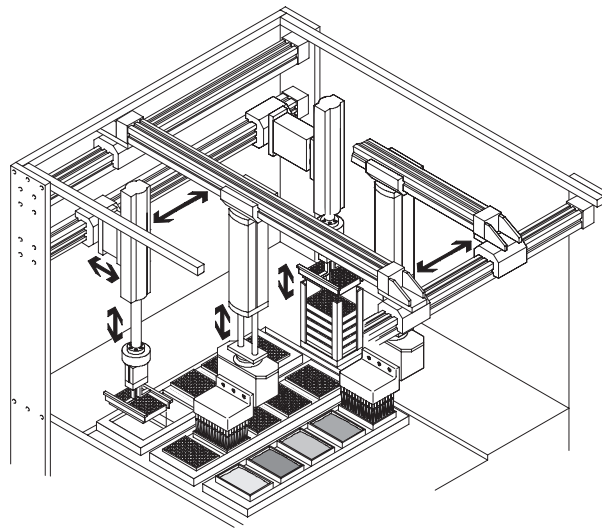
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Application examples

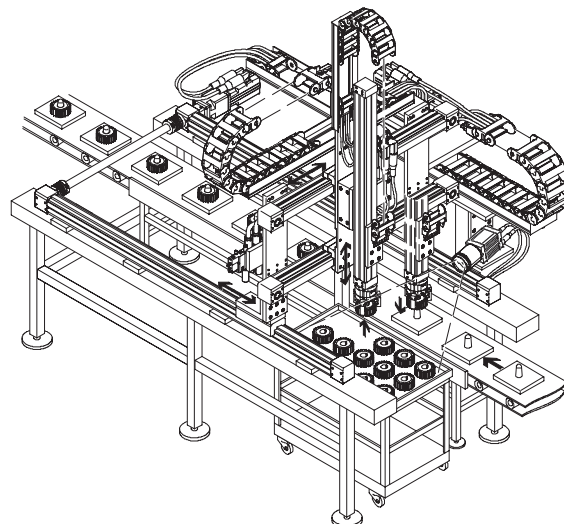
Removing and palletising workpieces



Handling and picking carrier trays



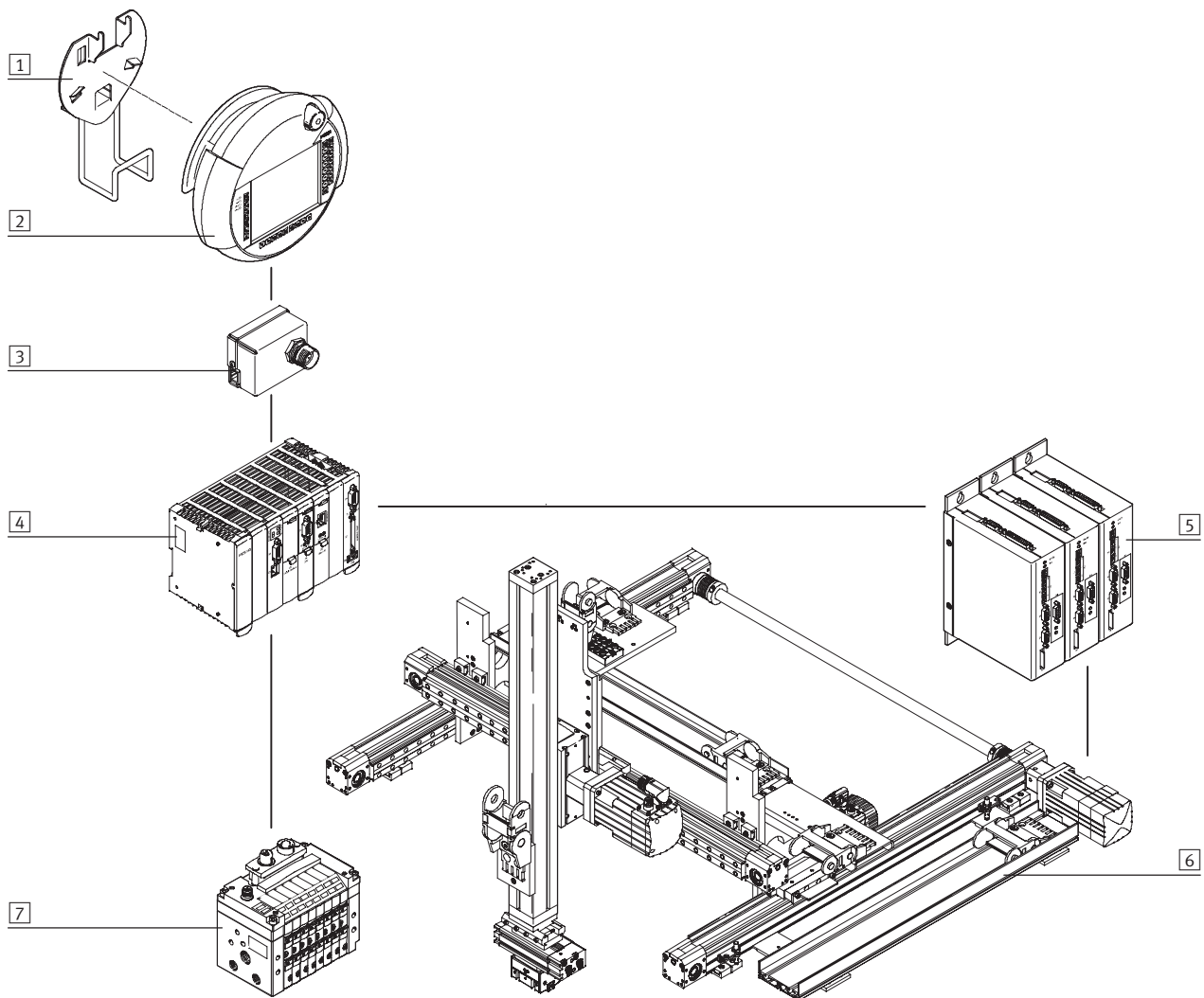
Feeding workpieces with simultaneous quality inspection via a vision system



Multi-axis controllers CMXR-C1

Peripherals overview

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Multi-axis controllers CMXR-C1

Peripherals overview

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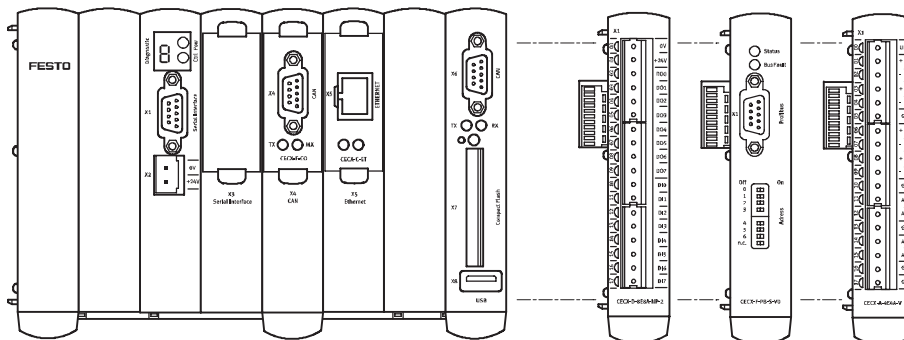
Accessories		
Type	Brief description	→ Page/Internet
1 Retainer CAFM	Wall fixture for the teach pendant CDSA with cable suspension	22
2 Teach pendant CDSA	For operating, monitoring and programming the multi-axis controller CMXR-C1	20
3 Interface housing CAMI	Adapter for connecting the teach pendant CDSA outside a control cabinet with the controller CMXR inside a control cabinet	23
4 Multi-axis controller CMXR	Enables simple axis movements, from point to point to complex path control	9
5 Motor controller CMM...	For controlling stepper or servo motors from Festo via a CAN interface	cmm
6 Three-dimensional gantry	Wide range of kinematic systems within the multi-axis modular system from Festo	three-dimensional gantry
7 Valve terminal	The multi-axis controller enables the connection of peripheral devices, for example valve terminals, via a CAN interface	valve terminal
– Cables and plugs	Connecting cables and plugs for connecting the individual devices	23

Multi-axis controllers CMXR-C1

Peripherals overview and type codes

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Controller CMXR-C1 with peripheral modules



Peripheral modules		
Type	Brief description	→ Page/Internet
Input/output module, digital CECX-D-8E8A-NP-2	8 digital inputs 8 digital outputs	12
Input module, digital CECX-D-16E	16 digital inputs	14
Output module, digital CECX-D-14A-2	14 digital outputs	15
Input/output module, analogue CECX-A-4E4A-V	4 analogue voltage inputs 4 analogue voltage outputs	16
Input/output module, analogue CECX-A-4E4A-A	4 analogue current inputs 4 analogue current outputs	16
Encoder interface CECX-C-2G2	2 encoder interfaces	18
Fieldbus interface CECX-F-PB-S-V0	Profibus slave DP-V0	19

Note

- Plugs are not included in the scope of delivery for the peripheral modules (plugs → 23)
 - Max. 1 Profibus slave module can be used
 - Max. 8 peripheral modules can be used
- Additional product information
→ www.festo.com

Type codes

		CMXR	—	C1
Type				
CMXR	Multi-axis controller			
Controller				
C1	Controller 1			

Multi-axis controllers CMXR-C1

Technical data

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Controller
CMXR-C1



General technical data		
Operating voltage range	[V DC]	19.2 ... 30
Nominal operating voltage	[V DC]	24
Power consumption at 24 V	[W]	14
Max. power consumption	[W]	69
Max. protection	[A]	10
Type of mounting		On H-rail (TS 35x7.5)
Controller operating mode		Manual
Operating elements		CTRL button
Status display		7-segment display LED green = power
Supported kinematic systems		2-axis gantries
		3-axis gantries
		Any interpolation
		Tripod
Total number of axes		6
Breakdown of the axes		3 basic axes
		3 auxiliary axes
		1 manual axis
CPU data		64 MB DRAM
		400 MHz processor
Memory card		Compact Flash ≥ 128 MB
Control methods		I/O standalone
		I/O (16I/16O)
		I/O + Profibus DP
		Profibus DP
Program organisation		Via FTL programs
Configuration support		FCT (Festo Configuration Tool)
Command set		Mathematical functions
Max. number of commands		Approx. 1,500
Programming software		FCT (Festo Configuration Tool)
		CDSA-D1-VX
Programming language		FTL (Festo Teach Language)
		Text-based macro language
USB interface		USB 1.1
Protection class		III
Product weight	[g]	580
Materials		
Note on materials		Contains PWIS (paint-wetting impairment substances)
		RoHS-compliant

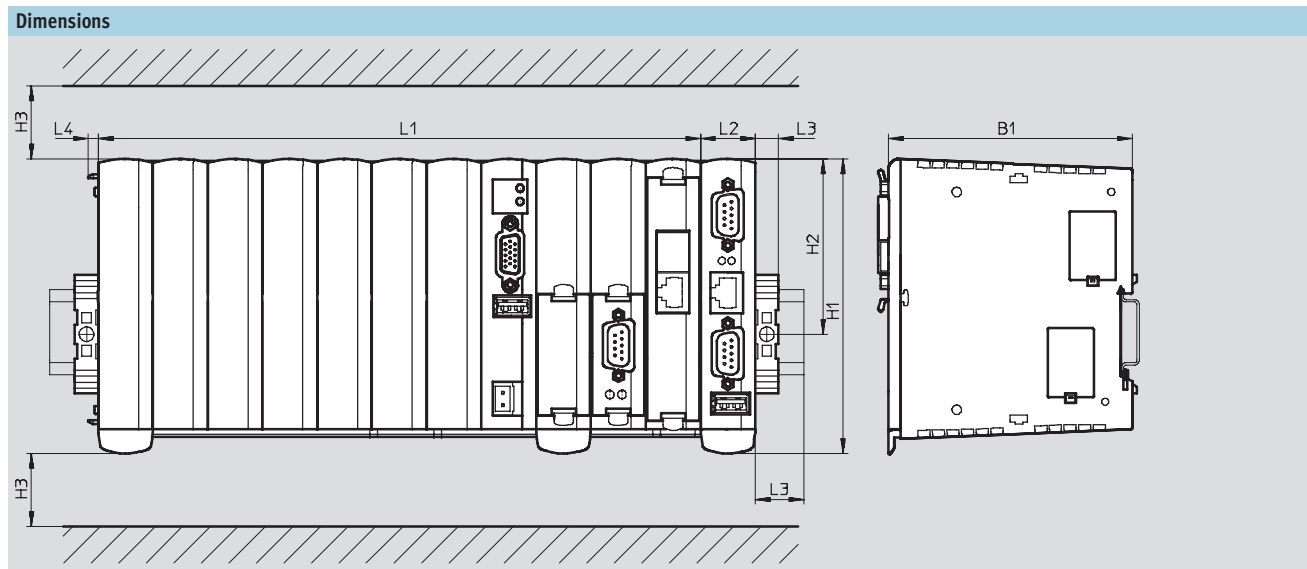
Multi-axis controllers CMXR-C1

Technical data

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Technical data – Interfaces		
Ethernet		
Connector plug		RJ45 socket, 8-pin
Transmission speed	[Mbps]	10/100
Supported protocols		TCP/IP
Fieldbus interface		
Type		CAN bus
Number		2x CANopen masters
Connection technology		Sub-D plug, 9-pin
Max. fieldbus transmission rate	[Mbps]	1
		Can be set via software
Electrical isolation		No

Operating and environmental conditions		
Ambient temperature	[°C]	5 ... 55
Storage temperature	[°C]	−40 ... +70
Resistance to shock		EN 60068-2-27 EA 15 g, 11 ms (half-sine)
Resistance to vibration		EN 60068-2-6-FC 5 ... 9 Hz 3.5 mm 9 ... 150 Hz 1g
Relative air humidity	[%]	10 ... 95
Protection class		IP20
CE mark (see declaration of conformity)		To EU EMC Directive
Certification		cULus Listed (OL) C-Tick

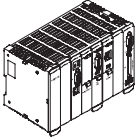


Type	B1 ±2	H1 ±2	H2 ±1	H3	L1	L2	L3	L4
CMXR-C1	100	121	72	30	180	22.5	9.5	4

Multi-axis controllers CMXR-C1

Technical data

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Ordering data		
Controller	Part No.	Type
	552095	CMXR-C1

Ordering data – Documentation ¹⁾					
	Language	Part No.	Type	Part No.	Type
		System manual		Programming manual	
	DE	560309	GDCP-CMXR-SY-DE	560315	GDCP-CMXR-SW-DE
	EN	560310	GDCP-CMXR-SY-EN	560316	GDCP-CMXR-SW-EN
	ES	560311	GDCP-CMXR-SY-ES	560317	GDCP-CMXR-SW-ES
	FR	560312	GDCP-CMXR-SY-FR	560318	GDCP-CMXR-SW-FR
	IT	560313	GDCP-CMXR-SY-IT	560319	GDCP-CMXR-SW-IT
	SV	560314	GDCP-CMXR-SY-SV	560320	GDCP-CMXR-SW-SV
		Hardware manual		Control interface manual	
	DE	560321	GDCP-CMXR-HW-DE	560327	GDCP-CMXR-F-DE
	EN	560322	GDCP-CMXR-HW-EN	560328	GDCP-CMXR-F-EN
	ES	560323	GDCP-CMXR-HW-ES	560329	GDCP-CMXR-F-ES
	FR	560324	GDCP-CMXR-HW-FR	560330	GDCP-CMXR-F-FR
	IT	560325	GDCP-CMXR-HW-IT	560331	GDCP-CMXR-F-IT
	SV	560326	GDCP-CMXR-HW-SV	560332	GDCP-CMXR-F-SV

1) User manual in paper form is not included in the scope of delivery

Multi-axis controllers CMXR-C1

Technical data

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Input/output module,
digital
CECX-D-8E8A-NP-2



General technical data		
Operating voltage range	[V DC]	19.2 ... 30
Nominal operating voltage	[V DC]	24
Electrical connection technology for I/O		Socket strip, grid 5.08 mm
Power consumption at 5 V	[W]	0.4
Power consumption at 24 V	[W]	1.9
Protection class		III
Product weight	[g]	135
Materials		
Note on materials		Contains PWIS (paint-wetting impairment substances)
		RoHS-compliant

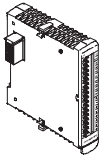
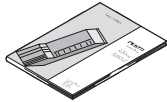
Technical data		
Digital inputs		
Number		8
Fast clock pulse inputs		2, interruptible, response time 50 µs
Input voltage	[V DC]	24
Nominal value for FALSE	[V DC]	≤ 5
Nominal value for TRUE	[V DC]	≥ 15
Input signal delay	[ms]	20, 100, adjustable
	[kHz]	12 with interrupt input
Electrical isolation		Yes, via optocoupler
Status display		Green LED
Switching logic		PNP (positive logic)
Digital outputs		
Number		8
Contact		Transistor
Output voltage	[V DC]	24
Output current	[A]	2 with 50% concurrence
Short circuit proof		Yes
Electrical isolation		Yes, via optocoupler
Status display		Orange LED
Switching logic		PNP (positive logic)

Multi-axis controllers CMXR-C1

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Technical data

Operating and environmental conditions		
Ambient temperature	[°C]	5 ... 55
Storage temperature	[°C]	-40 ... +70
Resistance to shock		EN 60068-2-27 EA
		15 g, 11 ms (half-sine)
Resistance to vibration		EN 60068-2-6-FC
		5 ... 9 Hz 3.5 mm
		9 ... 150 Hz 1g
Relative air humidity	[%]	10 ... 95
Protection class		IP20
Certification		cULus Listed (OL)

Ordering data						
Input/output module, digital			Documentation ¹⁾			
	Part No.	Type		Language	Part No.	Type
	552099	CECX-D-8E8A-NP-2		DE	560585	GDCC-CECX-D-8E8A-NP-DE
				EN	560586	GDCC-CECX-D-8E8A-NP-EN
				ES	560587	GDCC-CECX-D-8E8A-NP-ES
				FR	560588	GDCC-CECX-D-8E8A-NP-FR
				IT	560589	GDCC-CECX-D-8E8A-NP-IT
				SV	560590	GDCC-CECX-D-8E8A-NP-SV

1) User manual in paper form is not included in the scope of delivery

Multi-axis controllers CMXR-C1

Technical data

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Input module,
digital
CECX-D-16E



General technical data	
Electrical connection technology for I/O	Socket strip, grid 5.08 mm
Power consumption at the system bus [W]	0.4
Protection class	III
Product weight [g]	130
Materials	
Note on materials	Contains PWIS (paint-wetting impairment substances)
	RoHS-compliant

Technical data	
Digital inputs	
Number	16
Fast clock pulse inputs	2, interruptible, response time 100 µs
Input voltage [V DC]	24
Nominal value for FALSE [V DC]	≤ 5
Nominal value for TRUE [V DC]	≥ 15
Input signal delay [ms]	20, 200, adjustable
	Additionally 0.2 ms with interrupt inputs
Electrical isolation	Yes, via optocoupler
Status display [V DC]	LED
Switching logic	PNP (positive logic)

Operating and environmental conditions	
Ambient temperature [°C]	5 ... 55
Storage temperature [°C]	-40 ... +70
Resistance to shock	EN 60068-2-27 EA 15 g, 11 ms (half-sine)
Resistance to vibration	EN 60068-2-6-FC 5 ... 9 Hz 3.5 mm 9 ... 150 Hz 1g
Relative air humidity [%]	10 ... 95
Protection class	IP20
Certification	cULus Listed (OL)

Ordering data		Documentation ¹⁾			
Input module, digital	Part No.	Type	Language	Part No.	Type
	552096	CECX-D-16E	DE	560573	GDCC-CECX-D-16E-DE
			EN	560574	GDCC-CECX-D-16E-EN
			ES	560575	GDCC-CECX-D-16E-ES
			FR	560576	GDCC-CECX-D-16E-FR
			IT	560577	GDCC-CECX-D-16E-IT
			SV	560578	GDCC-CECX-D-16E-SV

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Multi-axis controllers CMXR-C1

Technical data

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Output module,
digital
CECX-D-14A-2



General technical data		
Operating voltage range	[V DC]	19.2 ... 30
Nominal operating voltage	[V DC]	24
Electrical connection technology for I/O		Socket strip, grid 5.08 mm
Power consumption at the system bus	[W]	0.4
Protection class		III
Product weight	[g]	135
Materials		
Note on materials		Contains PWIS (paint-wetting impairment substances)
		RoHS-compliant

Technical data		
Digital outputs		
Number		14
Contact		Transistor
Output voltage	[V DC]	24
Output current	[A]	2 with 50% concurrence per group
Short circuit proof		Yes
Electrical isolation		Yes, via optocoupler
Electrical isolation in groups		Yes, in 2 groups
Status display	[V DC]	LED
Switching logic		PNP (positive logic)

Operating and environmental conditions		
Ambient temperature	[°C]	5 ... 55
Storage temperature	[°C]	-40 ... +70
Resistance to shock		EN 60068-2-27 EA 15 g, 11 ms (half-sine)
Resistance to vibration		EN 60068-2-6-FC 5 ... 9 Hz 3.5 mm 9 ... 150 Hz 1g
Relative air humidity	[%]	10 ... 95
Protection class		IP20
Certification		cULus Listed (OL)

Ordering data			
Output module, digital			Documentation ¹⁾
	Part No.	Type	
	552097	CECX-D-14A-2	
			DE 560579 GDCC-CECX-D-14A-DE
			EN 560580 GDCC-CECX-D-14A-EN
			ES 560581 GDCC-CECX-D-14A-ES
			FR 560582 GDCC-CECX-D-14A-FR
			IT 560583 GDCC-CECX-D-14A-IT
			SV 560584 GDCC-CECX-D-14A-SV

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Multi-axis controllers CMXR-C1

Technical data

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Input/output module,
analogue
CECX-A-4E4A



General technical data			
		CECX-A-4E4A-V	CECX-A-4E4A-A
Variant		Voltage inputs/outputs	Current inputs/outputs
Electrical connection technology for I/O		Socket strip, grid 5.08 mm	
Power consumption at 5 V	[W]	0.3	0.3
Power consumption at 24 V	[W]	3.3	3.6
Protection class		III	
Product weight	[g]	135	
Materials			
Note on materials		Contains PWIS (paint-wetting impairment substances)	
		RoHS-compliant	

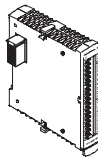
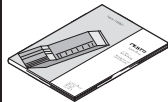
Technical data		
	CECX-A-4E4A-V	CECX-A-4E4A-A
Analogue inputs		
Number	4	4
Resolution [bit]	14	14
Signal range [V]	0 ... 10 Vref	–
	±10	–
	–	0 ... 20
Value of the least significant bit (LSB) [mV]	1.3	–
	–	1.35
Supply voltage for actuators [V DC]	10 ±2.5 % (max. 20 mA)	–
Input resistance [Ω]	10x10 ⁶	< 200
Absolute accuracy at 25 °C [%]	±0.01	±0.01
Sampling repeat time [ms]	1	1
Electrical isolation	No	No
Analogue outputs		
Number	4	4
Resolution [bit]	12	12
Max. load resistance [Ω]	≥ 1 000	≤ 600
Signal range [V]	±10	–
	–	0 ... 20
Value of the least significant bit (LSB) [mV]	5.32	–
	–	5.39
Conversion time [ms]	1	1
Absolute accuracy at 25 °C [%]	±0.15	±0.15

Multi-axis controllers CMXR-C1

Technical data

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Operating and environmental conditions		
Ambient temperature	[°C]	5 ... 55
Storage temperature	[°C]	-40 ... +70
Resistance to shock		EN 60068-2-27 EA
		15 g, 11 ms (half-sine)
Resistance to vibration		EN 60068-2-6-FC
		5 ... 9 Hz 3.5 mm
		9 ... 150 Hz 1g
Relative air humidity	[%]	10 ... 95
Protection class		IP20
Certification		cULus Listed (OL)

Ordering data			
Input/output module, analogue		Documentation ¹⁾	
	Part No.	Type	
	Voltage inputs/outputs		
	552100	CECX-A-4E4A-V	
	Current inputs/outputs		
	552101	CECX-A-4E4A-A	
	Voltage inputs/outputs		
	DE	560591	GDCC-CECX-A-4E4A-V-DE
	EN	560592	GDCC-CECX-A-4E4A-V-EN
	ES	560593	GDCC-CECX-A-4E4A-V-ES
	FR	560594	GDCC-CECX-A-4E4A-V-FR
	IT	560595	GDCC-CECX-A-4E4A-V-IT
	SV	560596	GDCC-CECX-A-4E4A-V-SV
	Current inputs/outputs		
	DE	560597	GDCC-CECX-A-4E4A-A-DE
	EN	560598	GDCC-CECX-A-4E4A-A-EN
ES	560599	GDCC-CECX-A-4E4A-A-ES	
FR	560600	GDCC-CECX-A-4E4A-A-FR	
IT	560601	GDCC-CECX-A-4E4A-A-IT	
SV	560602	GDCC-CECX-A-4E4A-A-SV	

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Multi-axis controllers CMXR-C1

Technical data

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Encoder interface
CECX-C-2G2



General technical data		
Operating voltage range	[V DC]	19.2 ... 30
Nominal operating voltage	[V DC]	24
Electrical connection technology for I/O		Socket strip, grid 5.08 mm
Power consumption at 5 V	[W]	0.6
Protection class		III
Product weight	[g]	135
Materials		
Note on materials		Contains PWIS (paint-wetting impairment substances)
		RoHS-compliant

Technical data – Interfaces		
Digital inputs		
Fast clock pulse inputs		2 (latch function) response time 20 µs NPN/PNP
Electrical isolation		No
Encoder inputs		
Number		2
Connection technology		Sub-D socket, 9-pin
Resolution	[bit]	Speed measurement: 32
	[bit]	Distance measurement: 24
Transmitter supply voltage	[V DC]	24
	[V DC]	5.05 ± 4 % (100 mA/channel)
Max. input frequency	[kHz]	250
Signal range	[V]	5 differential (RS422)
	[V]	24 single-ended

Operating and environmental conditions		
Ambient temperature	[°C]	5 ... 55
Storage temperature	[°C]	–40 ... +70
Resistance to shock		EN 60068-2-27 EA 15 g, 11 ms (half-sine)
Resistance to vibration		EN 60068-2-6-FC
		5 ... 9 Hz 3.5 mm
		9 ... 150 Hz 1 g
Relative air humidity	[%]	10 ... 95
Protection class		IP20
Certification		cULus Listed (OL)

Ordering data			
Encoder interface		Documentation ¹⁾	
Part No.	Type	Language	Part No. Type
	552117 CECX-C-2G2	DE	560603 GDCC-CECX-C-2G2-DE
		EN	560604 GDCC-CECX-C-2G2-EN
		ES	560605 GDCC-CECX-C-2G2-ES
		FR	560606 GDCC-CECX-C-2G2-FR
		IT	560607 GDCC-CECX-C-2G2-IT
		SV	560608 GDCC-CECX-C-2G2-SV

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Technical data

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Fieldbus interface,
Profibus slave DP-V0
CECX-F-PB-S-V0



General technical data		
Power consumption at 5 V	[W]	1.4
Status displays		LED (status) LED red = bus fault
Protection class		III
Product weight	[g]	140
Materials		
Note on materials		Contains PWIS (paint-wetting impairment substances) RoHS-compliant

Technical data – Interface		
Fieldbus		
Type		Profibus slave DP-V0
Connection technology		Sub-D socket, 9-pin
Transmission rate		9.6 kbps ... 12 Mbps
Electrical isolation		Yes

Operating and environmental conditions		
Ambient temperature	[°C]	5 ... 55
Storage temperature	[°C]	–40 ... +70
Resistance to shock		EN 60068-2-27 EA 15 g, 11 ms (half-sine)
Resistance to vibration		EN 60068-2-6-FC 5 ... 9 Hz 3.5 mm 9 ... 150 Hz 1g
Relative air humidity	[%]	10 ... 95
Protection class		IP20
Certification		cULus Listed (OL)

Ordering data			
Fieldbus interface, Profibus slave DP-V0		Documentation ¹⁾	
	Part No.	Type	Language
	552102	CECX-F-PB-S-V0	DE
			EN
			ES
			FR
			IT
			SV
			Part No.
			Type
			560567
			560568
			560569
			560570
			560571
			560572

1) User manual in paper form is not included in the scope of delivery

Multi-axis controllers CMXR-C1

Accessories

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Teach pendant
CDSA-D1-VX



General technical data		
Operating voltage range	[V DC]	19 ... 30
Nominal operating voltage	[V DC]	24
Current consumption ¹⁾	[A]	0.4
User memory	[MB]	256
Display		Colour TFT
Display size		6.5"
Display resolution		VGA, 640x480 pixels
Display properties		Touch screen
Number of function keys		31
Number of system LEDs		4
Operating elements		2 enabler keys Emergency stop
Area of application		Only with multi-axis controller CMXR-C1
Ethernet interface		2 interfaces RJ45, 10/100 Mbps
USB interface		Yes
Backup battery		Yes
Product weight	[g]	1,250
Materials		
Note on materials		Contains PWIS (paint-wetting impairment substances) RoHS-compliant

1) At nominal operating voltage

Operating and environmental conditions		
Ambient temperature	[°C]	0 ... +50
Storage temperature	[°C]	-20 ... +70
Relative air humidity	[%]	5 ... 95
Protection class		IP65
CE mark (see declaration of conformity)		To EU EMC Directive

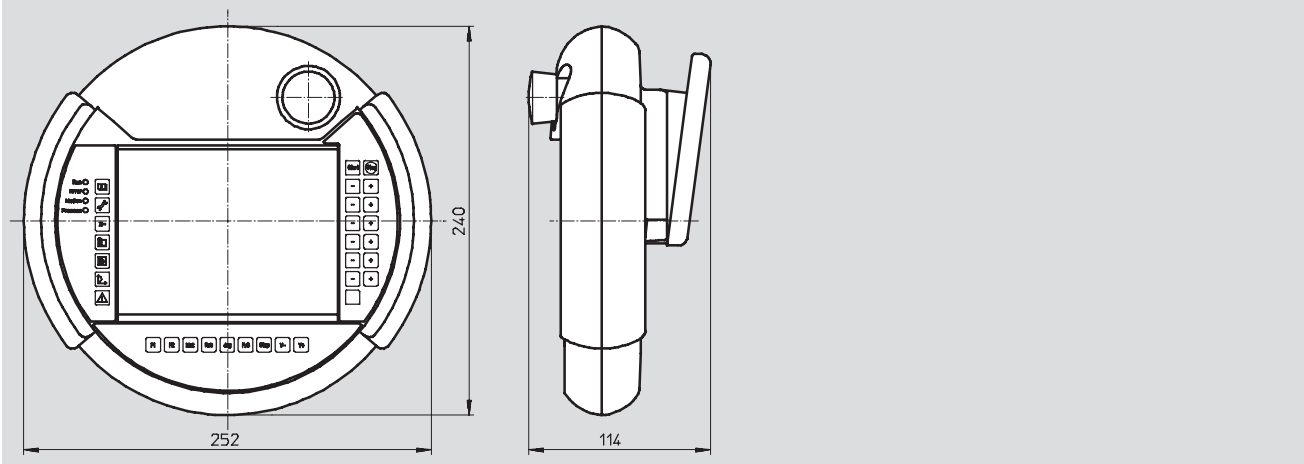
Multi-axis controllers CMXR-C1

Accessories

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Dimensions

Download CAD Data → www.festo.com/us/cad



Ordering data

	Part No.	Type
Teach pendant	552103	CDSA-D1-VX

Ordering data – Documentation¹⁾

	Language	Part No. Type		Part No. Type	
		System manual		Software manual	
	DE	560333	GDCP-CDSA-SY-DE	560339	GDCP-CDSA-SW-DE
	EN	560334	GDCP-CDSA-SY-EN	560340	GDCP-CDSA-SW-EN
	ES	560335	GDCP-CDSA-SY-ES	560341	GDCP-CDSA-SW-ES
	FR	560336	GDCP-CDSA-SY-FR	560342	GDCP-CDSA-SW-FR
	IT	560337	GDCP-CDSA-SY-IT	560343	GDCP-CDSA-SW-IT
	SV	560338	GDCP-CDSA-SY-SV	560344	GDCP-CDSA-SW-SV

1) User manual in paper form is not included in the scope of delivery

Multi-axis controllers CMXR-C1

Accessories

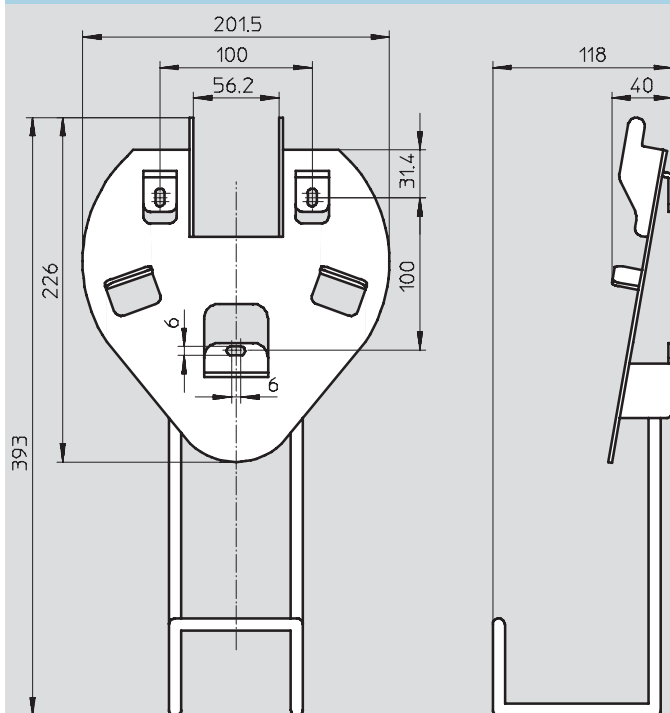
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Retainer
CAFM-D1-W



Dimensions

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Ordering data

	Part No.	Type
Retainer	552107	CAFM-D1-W

Multi-axis controllers CMXR-C1

Accessories

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Interface housing
CAMI-C



General technical data		
Type of mounting		On control cabinet wall (M25)
Mounting position		Any
Electrical connection		Ethernet interface: RJ45
		Coninver connector M25, 17-pin
		Spring force connector, 11-pin
Protection class		IP65 to IEC 60529
Dimensions		
Length	[mm]	26
Width	[mm]	67.2
Height	[mm]	76.1
Materials		
Note on materials		Contains PWIS (paint-wetting impairment substances)
		RoHS-compliant

Ordering data		
	Part No.	Type
Interface housing	552116	CAMI-C

Ordering data – Cables and plugs				
	Brief description	Cable length [m]	Part No.	Type
	Connecting cable: between multi-axis controller CMXR and teach pendant CDSA via interface housing CAMI-C	5	552104	NESC-C-D1-5-C1
		10	552105	NESC-C-D1-10-C1
		15	552106	NESC-C-D1-15-C1
	Plug for interface housing CAMI-C, 11-pin	–	558328	NECC-L1G11-C1
	Plug for peripheral modules, 2-pin		553857	NECC-L1G2-C1
	Plug for peripheral modules, 4-pin		553858	NECC-L1G4-C1
	Plug for peripheral modules, 6-pin		553859	NECC-L1G6-C1
	Plug for peripheral modules, 8-pin		553860	NECC-L1G8-C1
	Plug for peripheral modules, 18-pin		553861	NECC-L1G18-C1
	Plug: is used to bridge the emergency stop circuit when the teach pendant is disconnected	–	555676	CAMF-B-M25-G4
	Plug: for Profibus interface; Sub-D, 9-pin, without terminating resistor	–	533780	FBS-SUB-9-WS-PB-K
	Plug: for CAN bus interface; Sub-D, 9-pin, without terminating resistor	–	533783	FBS-SUB-9-WS-CO-K

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