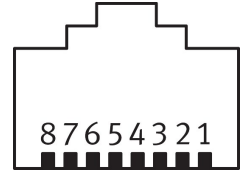


Control unit CEPE-H8GB-128GB-M1

Part number: 8165401

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	69 mm x 174 mm x 222 mm
Type of mounting	Screwed on
Product weight	1.8 kg
Mounting position	Vertical
Ambient temperature	0 °C...50 °C
Note on ambient temperature	Observe ambient temperature derating according to IEC 61131-2:2018
Storage temperature	-20 °C...70 °C
Relative air humidity	95% Non-condensating
Nominal altitude of use above sea level	<= 2000 m ASL (> 79.5 kPa)
Max. installation height	3000 m
Information on max. installation height	< 3000 m ASL (> 70 kPa)
Degree of protection	IP20
Corrosion resistance class (CRC)	0 - No corrosion stress
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Protection against direct and indirect contact	PELV
LABS (PWIS) conformity	VDMA24364 Zone III
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC characters	KC-EMV
Certification	RCM compliance mark
Note on materials	RoHS compliant
Housing material	Die-cast aluminum PC high-alloy stainless steel
Material of screws	Steel, nickel-plated
IP address setting	DHCP Statically via web server
Fieldbus interface, protocol	EtherCAT

Feature	Value
Fieldbus interface, connection type	Socket
Fieldbus interface, connection technology	RJ45
Fieldbus interface, transmission rate	100 Mbit/s
Ethernet interface, connection type	Socket
Ethernet interface, protocol	TCP/IP
Ethernet interface, function	Cloud connection Network
Ethernet interface, connection technology	RJ45
Ethernet interface, number of poles/wires	8
Ethernet, data transmission speed	1 Gbit/s
Ethernet interface, transmission rate	10 Mbit/s 100 Mbit/s 1000 Mbit/s 1 Gbit/s
Additional functions	2048 I/Os 8 SoftMotion axis + CNC Robotics + FTL (Festo Teach Language) CODESYS V3 with SoftMotion IO-Link® OPC-UA, MQTT WebIQ 1000 tags + 2500 alarms Licenses included: Festo AX Controls CODESYS PLC Basic Festo AX Controls CODESYS PLC Standard Festo AX Controls CODESYS PLC Advanced Festo AX Controls CODESYS SoftMotion 4 Festo AX Controls CODESYS SoftMotion 8 Festo AX Controls WebIQ 1000 Festo AX Controls Motion Robotic
CPU data	8 GB RAM Dual core 2.2 GHz
Storage medium	SSD 128 GB
DC operating voltage range	20.4 V...30 V
Nominal operating voltage DC	24 V
Max. power supply	4 A
Power failure buffering	10 ms
Reverse polarity protection	Yes
Buffer time real-time clock	520 Weeks
Flag	128 kB remanent data CODESYS variable concept