

Operator unit CDSB

FESTO



Characteristics

At a glance

The Festo CDSB-A1 operator unit is a plug-in display and operating panel for CMMT servo drives and for the CPX-E automation system. Both operation and simple diagnostics of the connected basic unit are possible via the integrated color TFT display with touchscreen. The user-friendliness is increased by an error diagnostics with plain text error message.

When plugged in, various parameters (depending on the basic device) can be set via the resistive touchscreen. Diagnostic messages can be read and updates can be performed.

When removed, the CDSB can be connected to a PC via a MiniUSB port. The device reports to the PC as a mass storage device and can then have firmware files written to it.

Series

- Universal operation on various basic devices (CMMT or CPX-E)
- Color touchscreen
- Diagnostic function
- Update function for basic device (when plugged in)
- Power is supplied via the respective basic unit

Device version

If the CDSB-A1 control unit is plugged onto the basic unit, the display is activated:

- If there is (still) no connection to the basic device, "Loading data" appears
- If the connection is successful, the user interface of the basic unit is displayed directly or the first menu item of the basic unit is displayed
- Use the arrow keys to select a function within a menu level (e.g. diagnostics)
- Arrow keys are used to move from one menu level to another
- Changeable fields or fields that perform an action are highlighted in blue

Type code

001	Series	002	Device version
CDSB	Operator unit	A1	Standard version, plug-on, 4:3, 1.77"

Datasheet

General technical data

Area of application	Only with CMMT, CPX-E-CEC
Display properties	Touchscreen
Display	Color TFT
Display size	1.77"
Display resolution	128x160 pixels
DC operating voltage range	4.5 ... 5.5 V
USB interface	USB 2.0 type B, mini
Max. cable length	3 m
User memory	3 GB

Technical data – mechanical

Product weight	36.6 g
Dimensions W x L x H	50 mm x 45 mm x 19.6 mm

Materials

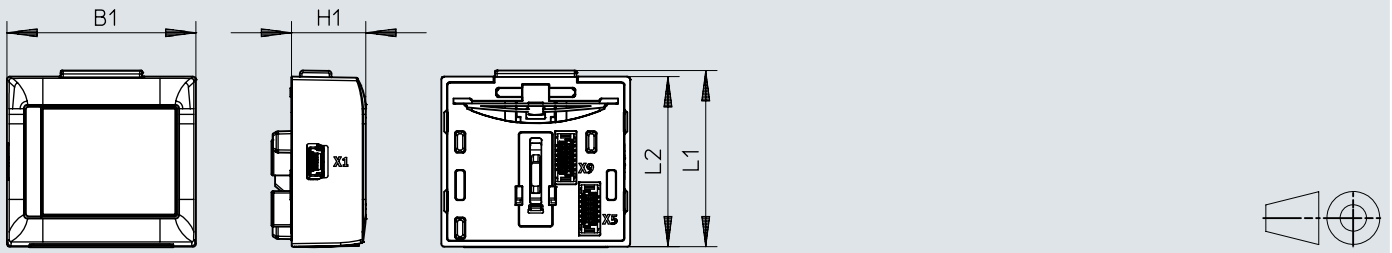
Housing material	PA6-reinforced
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS-compliant

Operating and environmental conditions

Ambient temperature	0 ... 60°C
Storage temperature	-20 ... 70°C
Relative air humidity	Max. 95% at 60 °C Non-condensing
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
Certification	RCM compliance mark
KC characters	KC EMC
Degree of protection	IP20


Dimensions

Dimensions – Operator unit

Download CAD data → www.festo.com

	B1	H1	L1	L2
CDSB-A1	50	19,6	46,6	46

Ordering data

Ordering data				
	Area of application	Display properties	Part no.	Type
	Only with CMMT, CPX-E-CEC	Touchscreen	★ 8070984	CDSB-A1