



Characteristics

At a glance

The operator unit CDSB-A1 from Festo is a plug-in display and operator unit for the servo drive CMMT and the automation system CPX-E. The integrated colour TFT display with touchscreen can be used both for operation and for simple diagnostics of the connected basic unit. User-friendliness is enhanced by error diagnostics with plain-text error messages.

When plugged in, the resistive touch screen can be used to set a range of parameters (depending on the basic unit). Diagnostic messages can be read and updates can be carried out.

In the unplugged state, the CDSB can be connected to a PC using a mini USB connection. The device is detected by the PC as a mass storage device, and firmware files can then be written to it.

Series

- Universal operation on a range of basic units (CMMT or CPX-E)
- Colour touchscreen
- Diagnostic function
- Update function for basic unit (when plugged in)
- Power is supplied by the respective basic unit

Device version

If the operator unit CDSB-A1 is plugged into the basic unit, the display will be activated:

- If there is no connection to the basic unit (yet), "Loading data" appears
- Following successful connection, the user interface of the basic unit or the first menu item of the basic unit will be displayed immediately
- Use the arrow keys to select a function within a menu level (e.g. diagnostics)
- Use the arrow keys to move from one menu level to another
- Fields that can be changed or 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 characteristics	Touchscreen	
Display	TFT colour	
Display size	1.77"	
Display resolution	128x160 pixels	
Operational voltage range DC	4.5 5.5 V	
USB interface, connection	USB 2.0 type B mini	
technology		
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		
Material housing	PA6 reinforced	
LABS (PWIS) conformity	VDMA24364 zone III	
Note on materials	RoHS-compliant	

Operating and ambient conditions		
Ambient temperature	0 60°C	
Storage temperature	-20 70°C	
Relative air humidity	Max. 95% at 60°C	
	Non-condensing	
CE mark (see declaration of	To EU EMC Directive	
conformity)	In accordance with EU RoHS Directive	
CE marking (see declaration of	To UK instructions for EMC	
conformity)	To UK RoHS instructions	
Approval	RCM trademark	
KC mark	KC-EMV	
Degree of protection	IP20	

Dimensions



Ordering data

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