

Modular Digital Amplifier DCX

Scope of Supply

- According to individual customized specification
- Plug-in terminal blocks

Available Fieldbus and Ethernet Interfaces



Special features

- Individual configurable Amplifier/Controller-Unit
- Specification of measurement channels, outputs and interfaces freely selectable
- Optimum use for a wide variety of requirements
- Low cycle time for high-speed applications (0,52 ms)
- Amplifier with 24-bit Σ - Δ ADC
- Analog outputs with 16-bit resolution
- Easy usable touch panel display

Manifold configuration options as:

- Multi-channel amplifier (up to 8 measurement channels)
- Amplifier with the possibility of
 - External zero point adjust
 - Limit force monitoring
 - Press tonnage monitoring
 - Wrap angle correction
 - XY-sensor-signal-analysis
- Closed loop controller with various programmable control modes
- Adder for several voltage values

Touch panel display

Ch1 :	98.45	Ch5 :	63.25		
Ch2 :	16.45	Ch6 :	75.25		
Ch3 :	52.36	Ch7 :	15.23		
Ch4 :	84.62	Ch8 :	58.94		
Menü	max	min	Func.	Ver.	

1. 2. 3. 4. 5. 6. 7. 8. 9.
DCX2-U4C2-CC-Y1-A-G3-Z-0,35

Attribute 9: Set to the nominal rating of the corresponding sensors
 0,35 / 0,5 / 0,75 / 1,0 / 1,25 / 1,5 etc.

Attribute 8: Extended functions
 F = Potentially explosive atmospheres: use with safety barriers
 G = Limit switch
 J = Strain gauge supply voltage 5 V
 M = Measuring range switch
 R = Controller function
 S = Adder
 W = Wrap angle correction
 V = Customer specified presetting
 Z = No extended function
 (Further specification per function required)

Attribute 7: Enclosure
 G0 = Standard DIN Rail Mount enclosure
 G1 = Plastic with transparent cover/ RAL7032
 G2 = Steel sheet with door and window / RAL7035
 G3 = Steel sheet with door/ RAL7035
 G4 = Stainless steel enclosure

Attribute 6: Supply voltage
 A = 110-240 V AC
 Z = Standard 24 V DC

Attribute 5: Signal-output-configuration
 (for measuring chains with several signal per channel)
 1 Measuring chain = sensor A+B
 Y1: (A+B)/2
 Y2: A, B
 Y3: A, B, (A+B)/2
 Y4: A, B, (A+B)/2, A-B
 Z = no analog signal

Attribute 4: Fieldbus signal
 CO = CANopen / CC = CC-Link / DN = DeviceNet /
 EN = EtherNet/IP / EC = EtherCAT / MT = Modbus-TCP /
 PB = Profibus / PN = Profinet IO
 Z = No bus system

Attribute 3: Number of current outputs 4-20mA
 C0 = No current output
 C1 = 1 current outputs
 C2 = 2 current outputs
 Max. C8 = 8 current outputs

Attribute 2: Number of voltage outputs ± 10 V DC
 U0 = No voltage output
 U4 = 4 voltage outputs
 U8 = 8 voltage outputs

Attribute 1: Number of direct measurement channels
 0 = 0 channels
 1 = 1 channels
 2 = 2 channels
 Max. 8 = 8 channels

Enclosure examples:

