# **BRANSON**



# DCX F with EtherNet/IP

### **General Description**

Branson now offers the DCX F power supply with EtherNet/IP, allowing real-time distributed control and



communication with a PLC.
The DCX F with
EtherNet/IP
was developed
for PLC/HMI
centered
automation

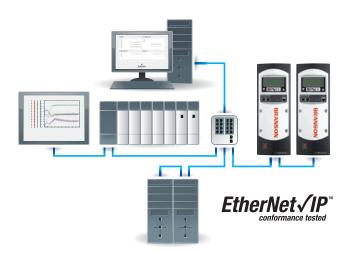
systems and that require configurable weld modes and parameter settings, along with weld results and real-time welding feedback.

**Diagnostic Field Bus** FIELDBUS INFO COMMUNICATION SLATE Slave Address 192.168.10.100 O Alarm Ready O Bus On O Configuration Locked Data Formed Intel Baud Rate N/A O Parameter Fault O Configuration Fault O Offline O Stop O Idle O Operate CONTROL WORD STATUS WORD STW1H 0 0 0 0 0 0 0 0 ZSW1H 0 0 0 0 0 0 0 0 STW1L O O O O O O O ZSW1L O O O O O O ZSW2H 0 0 0 0 0 0 0 STW2H 0 0 0 0 0 0 0 STW2L 0 0 0 0 0 0 0 zsw2L 0 0 0 0 0 0 0 **EMERSON** 

EtherNet/IP allows complex automated systems requiring multiple devices to be wired in a single network using common Ethernet physical media and devices. Using a single network, EtherNet/IP allows a programmable automation controller to monitor the status of an entire system, as well as communicate parameter changes to individual devices in real-time. The DCX F, when on a EtherNet/IP network, can provide a cost effective system with high performance and scalability.

### **DCX F Global User Interface**

The DCX F offers a powerful web-based interface that allows setup and real-time diagnostics of the EtherNet/IP link between the DCX F and a PLC.



### **Features and Benefits**

- One standard Network EtherNet/IP
- Two EtherNet/IP ports for multiple line topology support
- Explicit and Implicit messaging
- ODVA certified
- Compact form factor for installation
- Available in 20kHz, 30kHz, and 40kHz

- Power levels up to 4kW
- Multiple weld modes and weld limits
  - Continuous
  - Time
- Energy
- Peak Power
- Ground Detect

- Actuator control options
- Enhanced automation control
- Weld preset creation
- · Part detect input



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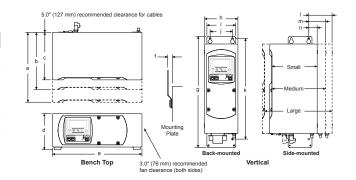
## The Branson Advantage

### **True Global Support & Service**

Branson Ultrasonics is the world leader in materials joining with more than 1,800 employees and 70 sales and support offices. We are committed to leading the industry in products, solutions, service and support excellence. That means fast delivery, trouble-shooting, parts replacement, feasibility studies, cooperative research, preventative maintenance and repair services. Branson is part of the Industrial Automation division of Emerson, a diversified international manufacturing and technology company committed to developing technological breakthroughs that advance the performance of a wide range of products and processes.

### **DCX F Series Specifications**

Dimension	Inch	mm	Dimension	Inch	mm	
a	10.63	270.0	h	5.22	132.6	
b	8.63	219.2	i	4.50	114.3	
С	7.13	181.1	j	3.50	88.9	
d	5.53	140.5	k	15.75	400.0	
e	14.01	355.9	1	3.37	85.6	
f	0.37	9.4	m	2.37	60.2	
g	17.38	441.5	n	1.06	26.9	



### **Three Power Supply Sizes**

Size	Small			Medium		Large	
DCX F Model	40:0.4	30:0.75	40:0.8	20:1.25	30:1.5	20:2.5	20:4.0
Frequency	40 kHz	30 kHz	40 kHz	20 kHz	30 kHz	20 kHz	20 kHz
Peak Output Power	400 W	750 W	800 W	1250 W	1500 W	2500 W	4000 W
Max. Continuous Power	200 W	375 W	400 W	625 W	750 W	1250 W	2000 W
Max. Current	3 A	5 A	5 A	7 A	10 A	14 A	25 A
Supply Voltage	180-253 VAC 50/60 Hz, 1 PH 24VDC, 3A		50/60 Hz,	180-253 VAC 50/60 Hz, 1 PH 24VDC, 3A		200-253 VAC 50/60 Hz, 1 PH	
Weight	16 lbs. / 7.25 kg			18 lbs. / 8.16 kg		22 lbs. / 10 kg	





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