

Danfoss offers

A comprehensive range of products

Pressure transmitters, temperature sensors, switches, industrial valves, motor starters and contactors, and electronic components and subsystems.

Experience

Danfoss has a record of more than 75 years success as a supplier in the industrial market.

Application expertise

A global team of engineers are dedicated to support our customers' business goals. The value and benefits of Danfoss innovations are proven daily in our ARI-certified laboratories.



Motor Controls



Sensors and Transmitters



Valves



Brazed Plate Heat Exchangers



MCX family



MAKING MODERN LIVING POSSIBLE



Take control of your equipment Take control of your costs

Experience the flexibility and versatility of the MCX controller's open platform design.



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Unique versatility with open standards



Ideal for controlling a wide range of commercial and industrial applications, the open standards compliant MCX unit adds a new level of flexibility and control to application designs. Open programming standards allow you to take full control of your applications.

With easy programming in C, the MCX controller provides unique versatility and freedom compared to proprietary systems. All units are delivered with an operating system including hardware drivers, services, as well as a virtual machine.

Connections to peripheral equipment take place via open standard protocols that enable easy integration with electromechanical components and building management systems.

Application development options include:

- C-editor and user interface editor
- MCX compiler and debugger
- MCX PC simulator
- Data analysis
- MODBUS PC communication interface

MCX technical specification	MCX06C	MCX06D	MCX08M	MCX15B	MCX20B	EXC06D	EXC12M
ANALOG INPUTS							
NTC, 0/1V, 0/5V	2	2	4	4	6	2	3
NTC, 0/1V, 0/5V, 0/10V							4
0/1V, 0/5V, 0/10V, 4/20mA							5
NTC, Pt1000, 0/1V, 0/5V, 0/10V, ON/OFF, 0/20mA, 4/20mA via software selectable	2	2	4	6	10	2	
Total number	4	4	8	10	16	4	12
DIGITAL INPUTS							
24V optoisolated			4	18	22		
230Vac optoisolated				4	4		
Voltage free contact	6	8	8	14	18	8	9
Total number	6	8	8	18	22	8	9
ANALOG OUTPUTS							
0/10Vdc optoisolated			2	4	6		6
0/10Vdc, PWM, PPM via software selectable	1	2				2	2
PWM, PPM cutting phase	1	1	2	2		1	
Total number	2	3	4	6	6	3	8
DIGITAL OUTPUTS							
SPST relay 8A	6 (5A)	5 (5A)	2	9	13	5	2+8 (5A)
SPDT relay 8A		1	4	4	4	1	
SPST relay 16A			2		2		2
SPDT relay 16A				2	1		
SSR 24Vac/230Vac (optional)		1	6	13	17		
Total number	6	6	8	15	20	6	12
POWER SUPPLY							
20/60Vdc - 24Vac	•	•	◦	◦	◦	•	◦
110-230Vac - 50/60Hz			◦	◦	◦		◦
Isolated power supply	•	•	•	•	•	•	•
OTHERS							
Connection for programming key	•	•	•	•	•	•	•
Connection for remote display and keyboard	•	•	•	•	•		
Buzzer		•	•	•	•		
CANbus	•	•	•	•	•	•	•
RTC clock	◦	◦	◦	◦	◦		
Modbus RS485 serial interface	1 not isolated	1	1	2	2		
TTL serial interface	◦		•				
Dimensions	33x75mm	4DIN	8DIN	16DIN	16DIN	4DIN	8DIN
Mounting	Panel	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail

• Available for all models ◦ Available for some models