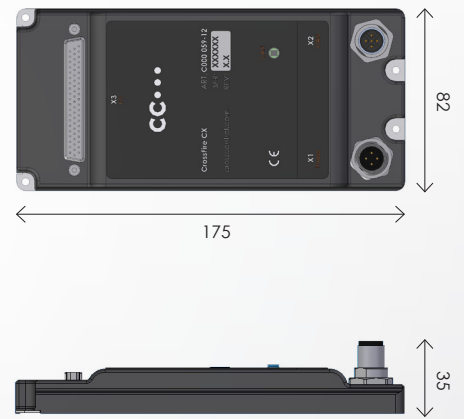




(mm)



CrossFire CX ROBUST AND COMPACT I/O-MODULE FOR HMI

CrossFire CX is a CANopen device for cabins and control panels in industrial vehicle applications. The I/O-interfaces are designed for user interaction components like joysticks, push buttons, LEDs and instrumentation lighting.

It is packaged in a robust and slim housing that is easily integrated into a dash board or panel. To simplify installation, it can be shipped with a cabling harness adapted for the specific application. **Turn for technical specifications »**

CrossFire CX PRODUCT SPECIFICATIONS

KERNEL	
PROCESSOR	Fujitsu MB90F342/349

HMI	
DIAGNOSTICS	Status LED indicator
NODE ID	8 positions with digital in keying 127 positions with SW

COMMUNICATION INTERFACES	
CAN	ISO 11898 2.0B, Bit-rate configurable, 20–1000 kbps

CANOPEN DEVICE SPECIFICATION ¹⁾	
TYPE	CANopen slave, DS 401
BITRATE	Configurable, 20–1000 kbps
NODE ID	Read from id-keying in connector or set via SDO call
NODE STATES	Pre-operational, Operational and Stopped
SDO	Limited support. Only predefined entry's defined
PDO	4 Transmit (TPDO) and 4 Receive (RPDO) TPDO:s are event triggered with support for Event Timer and Inhibit time
NMT	Heartbeat producer

1) When used as CANopen-slave. Can also be used with other software.

8 x ANALOGUE INPUTS	
CONFIGURATION	Analogue inputs Digital In or Digital Out
VOLTAGE RANGE	0–5 VDC or 0–28 V
REFERENCE VOLTAGE	5 VDC
ACCURACY	+/- 2 %
RESOLUTION	10 bit
PROTECTION	Over voltage

23 x DIGITAL INPUTS/OUTPUTS	
CONFIGURATION	Each channel configurable as Digital In or Digital Out
DIGITAL IN	0–36 VDC
DIGITAL OUT	0–5 VDC
PROTECTION	Over voltage, short circuit

4 x DIGITAL ENCODER INPUTS (2 PAIRS)	
CONFIGURATION	Analogue inputs Digital In or Digital Out
VOLTAGE	0–5 VDC, 0–36 VDC
PROTECTION	Over voltage, short-circuit

1 x PWM OUTPUT	
CURRENT	Max 1 A, PWM controlled
VOLTAGE	9–32
PROTECTION	Short circuit

17 x ANALOG OUTPUTS (LED DRIVERS)	
CURRENT	0–20 mA

2 x POWER SUPPLY	
VOLTAGE	5 VDC
CURRENT	Max 0.3 A
PROTECTION	Short circuit

2 x POWER SUPPLY FOR PERIPHERAL DEVICES	
VOLTAGE	9–32 VDC
CURRENT	Max 0.1 A
PROTECTION	Short circuit

POWER	
VOLTAGE	24 VDC nominal

ENVIRONMENT	
IP CLASS	IP67
TEMPERATURE RANGE (°C)	-40 to +70 (operating) -40 to +85 (storage)
EMC CONFORMITY	ISO 14982 for emissions ISO 11452-2 for immunity
SHOCK	30 g / 6 ms

ENCLOSURE	
HOUSING	PC/ABS 85FS, Silicone filled
CONNECTORS	DIN M12 for power and CAN 62-pole D-sub for I/O

SIZE AND WEIGHT	
W x H x D (MM)	82 x 175 x 35
WEIGHT (KG)	0.4

crosscontrol
AN ACTUANT COMPANY

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