

General

Weight	0.2 kg
Temperature range	
Operating, ambient	-40 to +70 °C
Storage, ambient	-40 to +100 °C
Protection	IP65, IP6K9K
Voltage supply	9 - 32 Vdc
Current consumption (idle)	20 mA (28 Vdc) 30 mA (14 Vdc)
CE marking	2004/108/EC
Data interface	Parker ICP (IQAN CAN Protocol)

Outputs

Digital out low	up to 8[1]
Type	low-side switch
Max load, 1 output	300 mA
Max load, all outputs	1700 mA

Inputs

Voltage inputs	up to 8[1, 2]
Signal range	0 - 5 Vdc
Resolution	1.22 mV
Frequency inputs	up to 10[1]
Signal range (FIN-A to B)	1 - 20000 Hz
Signal range (FIN-C to J)	1 - 4000 Hz
Logic level high	>4 Vdc
Logic level low	<1 Vdc
Encoder inputs	up to 1[1]
Signal range	0 - 20000 Hz
Logic level high	>4 Vdc
Logic level low	<1 Vdc
Digital inputs	up to 12[1] (20[1, 2])
Signal high	>4 Vdc
Signal low	<1 Vdc

1) depending on configuration
2) -XC23 only

Application

The IQAN-XC22 and IQAN-XC23 are IQANdesign platform expansion modules in the IQAN system. This type of unit is a small dimension I/O module to be used as an expansion unit in an IQAN control system.

All IQAN expansion modules communicate with a master over a CAN bus, using the IQAN CAN protocol. The IQAN-XC22/23 modules have I/O flexibility that allows the user freedom in defining signals for measurement and control.

The IQAN-XC22 has up to 12 digital inputs for connection to switches. These inputs can be configured as up to 10 frequency inputs and 1 encoder input for measuring speed and position.

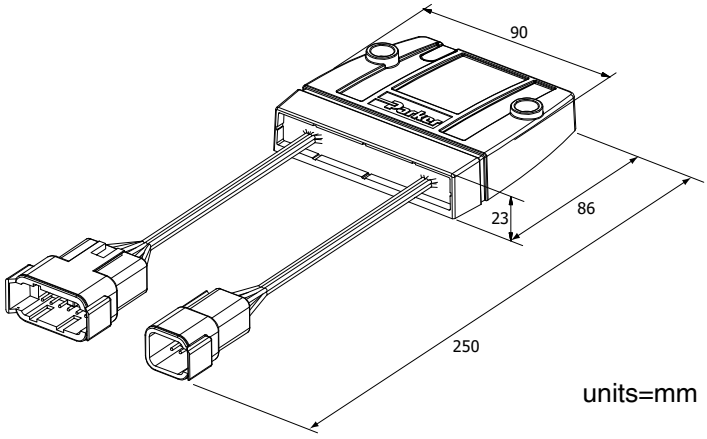
The IQAN-XC23 has up to 20 digital inputs for connection to switches. Up to 8 of these inputs may be configured as voltage inputs for connection of 0-5 Vdc signals from resistive or Hall-effect sensors and joysticks. The remaining 12 inputs can be configured as up to 10 frequency inputs and 1 encoder input for measuring speed and position.

The module's low power digital outputs are designed for driving low power loads such as relays, LEDs or alarm buzzers. The outputs share pins with the inputs and are configured using IQAN software.

The IQAN-XC22/23 is designed for outdoor use on mobile machinery. It uses 2 or 3 keyed Deutsch DTM connectors, depending on model, to prevent wiring mix-ups. The module has addressing in the wiring harness through use of an IDtag; the addressing of the IQAN-XC22/23 allows up to 8 modules of this type on the bus.

The housing is designed for stacking multiple modules, providing a high density of I/O in a small footprint.

Description	**Ordering PN**
IQAN-XC22	20077784
IQAN-XC23	20077792



units=mm

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