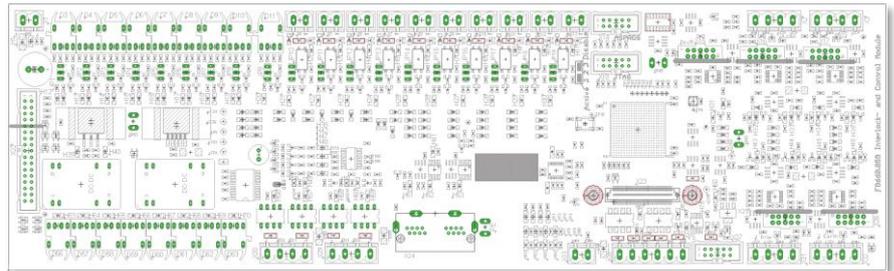


Interlock & Control Module

FG660.059x

- ACU USI Module
- Analog & digital Interlock detection
- USI communication
- IGBT firing signal generation
- Cyclone III FPGA
- Water flow measurement
- Analog inputs with comparators



Name	#	Property	Value	[]
Supply		X1		
		Voltage	DC 24	V
		Current	normal 100	mA
			peak 200	mA
		Power consumption	avg. 2,4	W
Electrical interlock inputs	10	X3 – X13		
		High	ok 24	V
		Low	interlock 0	V
Optical interlock inputs	9	D3 – D11		
		Light on	ok	
		Light off	interlock	
Electrical switching outputs	4	X28 – X29		
		Level	.	Ext. supplied
ADCs	4			
		Resolution (bipolar)	13	bits
		Sample Rate	208	kHz
USI ports	2	X24		
		Slave		
Optical outputs¹	8	D56 – D63		
		6 IGBT firing signals		
		2 Tripline status / reset		
Water measurement	2	X30		
		Turbine or float flow meter		
Dimensions				
Without/with PCB profile		Width	356 / 358	mm
Without/with PCB profile		Height	108 / 126	mm

¹All optical outputs are pairwise mutually exclusive by hardware design.

Card I/Os can be extended with dedicated extension modules.