

Datasheet



DCU 208E Engine Controller

Part#: 1006477

Rev. July 13, 2026

Interfaces

Section	Qty.	Min	Typ.	Max	Unit	Comment
Power Supply, Vcc	1	8 -	12/24 0.5	32 2	VDC A	Current consumption @ 24 VDC
Flexible I/O	19	-				Can be configured as described in the Flexible I/O section below.
Relay	2	0	-	0.7	A	Potential free/Form C contacts. Internally fused.
Tacho	1	0.1 4	5 -	10 32	kHz Vpp	Magnetic pickup
Thermistor / PT100 Inputs	2	50 0	- -	60000 800	Ω $^{\circ}\text{C}$	Accuracy: +/- 2.0 %. With optional wire resistance comp
CAN bus #1	1	-	250	-	kbps	SAE J1939
CAN bus #2	1	-	250	-	kbps	SAE J1939
Ethernet	1	-	10 / 100	-	Mbps	Auto Crossover
Modbus TCP	1	-	10 / 100	-	Mbps	
Modbus RTU	1	9600	19 200	11520 0	baud	8 bit, even parity, 1 stop bit. Failsafe biasing, internal termination
RIO Link Connection	1	-	19 200	-	baud	8 bit, even parity, 1 stop bit
USB Port	1	-	-	480	Mbps	USB 2.0 Hi-speed Memory Interface

Flexible I/O

Section	Qty.	Min	Typ.	Max	Unit	Comment
Digital Input	19	8 0	- -	Vcc 2	V	High level Low level
Digital Output	19	- 0	Vcc-0.5 -	- 0.2	V A	Power supply - 0.5 V Current limited
4 – 20 mA Input	19	0	4-20	25	mA	Accuracy: +/- 0.5 % of typical range
Analogue Input	19	0	-	Vcc	V	Accuracy: +/- 0.05 V
24 V Supply Output	19	- 0	Vcc-0.5 -	- 0.2	V A	Current limited
0 V Supply Output	4	0 0	0.1 -	- 0.5	V A	
5 V Supply Output	1	4.8 0	5.0 -	5.2 0.1	V A	For supply of 0-5 V sensors etc. Current limited.

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Connectors

- 4 x 12 pin Deutsch DT06-12SA (Mating connector)
- USB 2.0 Type A Host Port (Service only)
- Ethernet RJ45 IP67 Bajonett Black (Use included RJ45 Plug Kit)

Measurements and Weight

Section	Weight	Width	Height	Depth	Unit	Comment
Size	-	163	131	75	mm	Depth incl clips, without connectors
Cut out	-	-	-	-	mm	DIN rail mount, Access depth: 95 mm
Weight	0.75	-	-	-	kg	

Environmental

Section	Condition	Min.	Typ.	Max.	Unit	Comment
Operating Temperature	Operational	-25	-	+70	°C	DNV No. 2.4 Location Class D, Open deck
Storage Temperature	Not powered	-30	-	+85	°C	
Enclosure Ingress Protection Rating	Operational	IP56	-	-	-	Including panel seal
Vibration	Operational	-	4	-	g	IEC 60068-2-6 Fc

Testing & Approvals

Tested according to DNV Standard for Certification DNV No. 2.4, harmonized with IACS UR E10 and IEC 60092-504.

Validity of Information

Data valid at revision date. Auto-Maskin reserves the right to make improvements and changes of specification at any time.