

Key Features

- SAE J1939 communication protocol
- Up to 3A per Output
- LED Status Indicators
- Input Variants
 - Multifunctional, Analog, Frequency, Digital, or Ratiometric
- Output Variants
 - PWMI (Current Feedback) or Digital
- Each output has short circuit, overload, and open load detection and protection

Module Layout

12 Pin Deutsch Connector

On Module Housing

Module Connector	DT04-12PA
------------------	-----------

From Wiring Harness

Mating Connector	DT06-12SA
Mating Contact	0462-201-16141
Mating Wedge Lock	W12P

LED Status Indicators

Left LED Bank

Status indicators for Input 1-2 and Output 1-4

Right LED Bank

Status indicator for CAN and Power connections



Connector Pin Specifications

12 Pin Deutsch Connector

Pin 1	Output 1	Pin 5	Input 1	Pin 9	CAN L
Pin 2	Output 2	Pin 6	Input 2	Pin 10	CAN H
Pin 3	Output 3	Pin 7	Address 2	Pin 11	Ground
Pin 4	Output 4	Pin 8	Address 1	Pin 12	Battery

Electrical Specifications

Power Supply Voltage	8 - 32VDC
Operating Current	13A Max
Surge Current	12A Max (<2 Sec)
Input Logic Threshold	5.5 - 7V Max
ESD Protection	15KV Air / 8KV Contact

Mechanical & Environmental Specifications

Storage Temperature	-40° to 85° C
Operating Temperature	-40° to 85° C
IP Rating	IP67
Mechanical Shock	50g Operational
Weight	3.7in W × 5.15in L × 1.86in H

Part Number

ioBLOC 6 Expansion (2 In + 4 Out)	PN 100001264 (58-0160)
-----------------------------------	------------------------



Product Dimensions

[XX] indicates dimensions in mm

No brackets indicates dimensions in inches

