

560VPC CAN Industrial PLC

The 560VPC is a rugged, all weather PLC with numerous I/O capabilities. The housing from Deutsch allows it to be used in a wide range of harsh environmental conditions. It features twelve digital inputs, twelve current sourcing outputs (5A maximum each), and four 12-bit analog inputs. All outputs have internal short circuit protection that can notify and be reset by the user.

The module can also measure current on the outputs and detect when outputs are open circuit, lightly loaded, or overloaded. Using HMI Systems CANcreate software the 560VPC can act as a controller on the CAN bus. The internal memory can be used to log parameters with time stamps for liability or compliance concerns.

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features

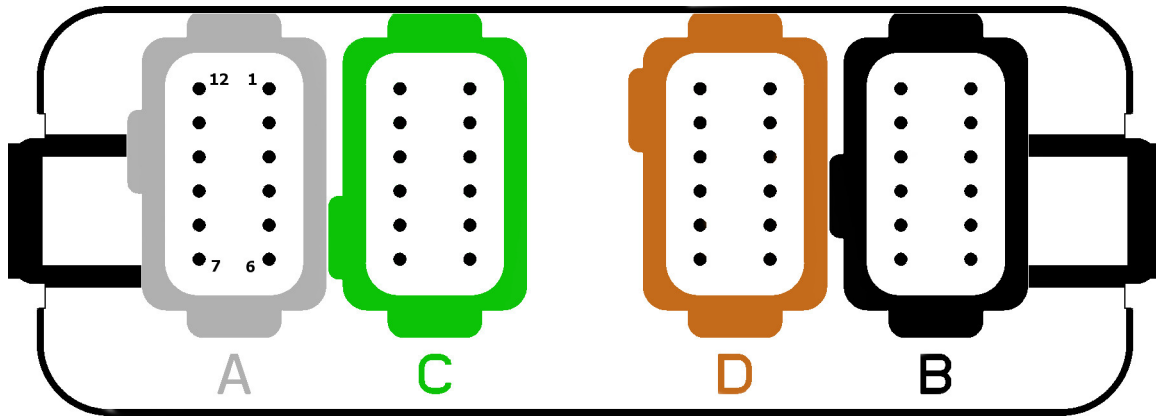
- CAN bus communication supports multiple baud rates (125k, 250k, 500k)
- (12) software selectable active high /active low digital inputs
- (12) high side solid state outputs
- Outputs 5 amp source capacity
- All outputs are short circuit protected
- All outputs can measure current
- (5) outputs are PWM capable
- Maximum total current 30A
- (3) 0-5V 12-bit analog inputs
- (1) 0-50V 12-bit analog input
- 0-5V inputs software selectable to measure resistance (0-1000 ohms)
- Onboard temperature sensor
- Internal battery backed up RTC
- Internal 4 GB micro SD storage for data logging and controller functions
- Durable all weather industrial design
- -40°C to +80°C operating range
- Individual keyed mating connector polarities



electrical specifications

	parameter	minimum	maximum	units
I_o	output continuous switch current	-	5	A
I_{max}	maximum switch current (all options)	-	30	A
vin range	power supply range	8	32	V
T_o	operating temperature range	-40	80	°C
T_s	storage temperature range	-55	95	°C

wiring diagram



pin	A (gray)	C (green)	D (brown)	B (black)
1	IN1	AIN4+	NC	OUT1
2	IN2	GND	NC	OUT2
3	IN3	AIN3+	NC	OUT3
4	IN4	GND	V+	OUT4
5	IN5	AIN2+	GND	OUT5
6	IN6	GND	CAN-H	OUT6
7	IN7	AIN1+	CAN-L	OUT7
8	IN8	GND	GND	OUT8
9	IN9	NC	NC	OUT9
10	IN10	GND	V+	OUT10
11	IN11	USB-DM	V+	OUT11
12	IN12	USB-DP	NC	OUT12

Mating Connector P/N: DT06-12SA, DT06-12SB, DT06-12SC, DT06-12SD

Notes: Active low turn on threshold less than 0.75V
 Active high turn on threshold more than 2.55V
 Maximum voltage on any digital input pin is 32V
 Maximum voltage on AIN1 is 100V
 Maximum voltage on AIN2, AIN3, and AIN4 30V
 Above 50°C ambient max overall current derates 2A per 10° rise