硕博电子
SonnePower

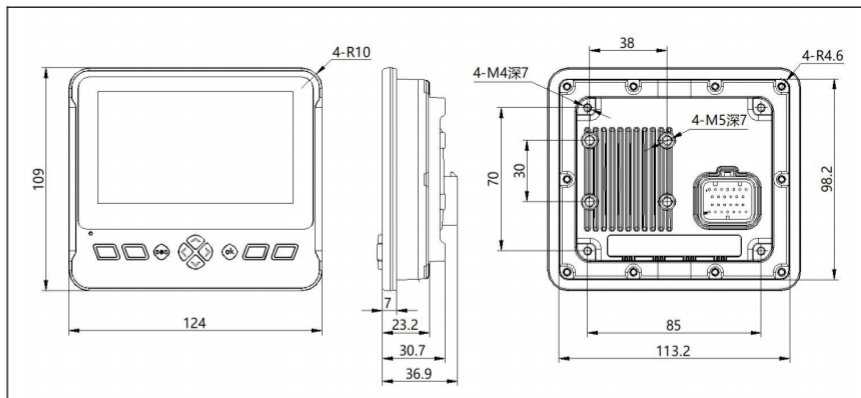## SPD-043-Ex Series

4.3" Display
2×CAN
Support CoDeSys3.5 programming
Operating Voltage
8...32 V DC

Technical parameters	Description
Housing	Engineering plastic front cover + metal back cover
Size(L×W×H)	124×109×36.9 mm
Installation	Embedded and RAM bracket installation
Connector	26Pin AMP connector
Weight	0.36 kg
Operating temperature	-20...70 ℃
Protection class	IP65
Display screen type and size	4.3-inch 24-bit color screen
Screen display area	95.04×53.86
Brightness	≥400cd/m² （B and D versions have a brightness of 1000cd/㎡）
Resolution	480×272 （B and D versions have a resolution of 800x480）
Number of programmable function buttons	10 buttons with backlight
Total Input/output channels/IOs	Configurable (4/4/8)

Input — Up to 4 inputs can be configured

Possible configurations
*All input ports are protected against miss connection of power supply and grounding.

Qty	Signal	Remark	
2 or Or	Frequency Digital Analog Quadrature Input	1Hz...30 kHz High/low level configurable 0...10V Can form a set of quadrature signal inputs	PI DI$^{H/L}$ AI^U PI$^{(AB)}$
2 or	Digital Analog	High/low level configurable 0...10V	DI$^{H/L}$ AI^U

Output — Up to 4 inputs can be configured

Possible configurations

*All digital output ports have short-circuit feedback, short-circuit and overheating protection

Qty	Signal	Remark	
2 or	Digital PWMi_H	High side output PWM high side output with current feedback	DO^H PWMi^H
2 or	Digital PWM_H	High side output PWM high side output with current feedback	DO^H PWM^H

Operating voltage	8...32 V DC
Current consumption	≤ 200 mA （No external load at 24V）
CAN * 2	CAN 2.0 A/B, 20 kbits/s...1 Mbits/s
USB * 1	For downloading update programs
RS232 * 1	For diagnosis and debugging
Ethernet * 1	For downloading debugging programs, or TCP/IP communication