

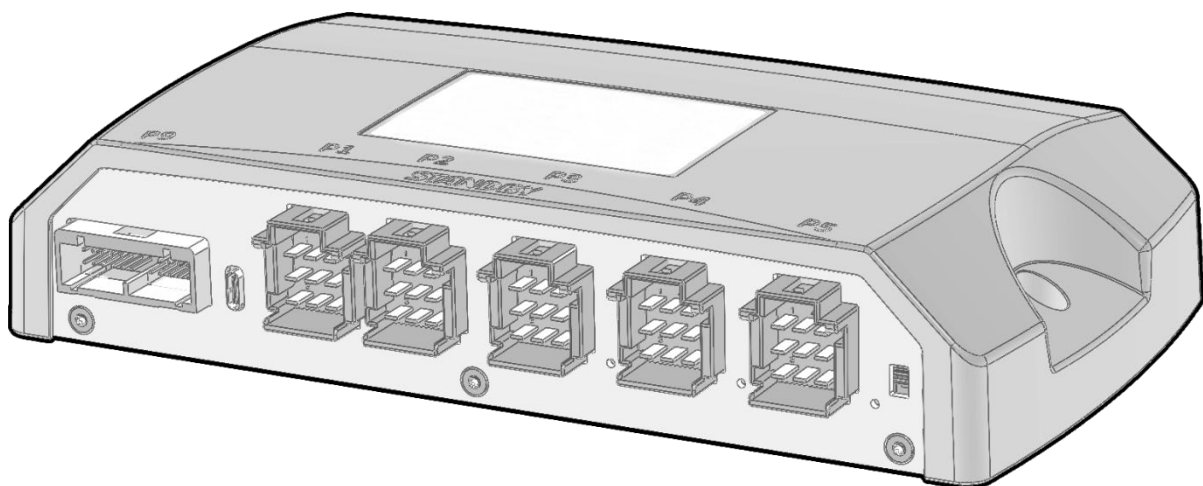
CU24

Thank you for choosing a product from Standby.

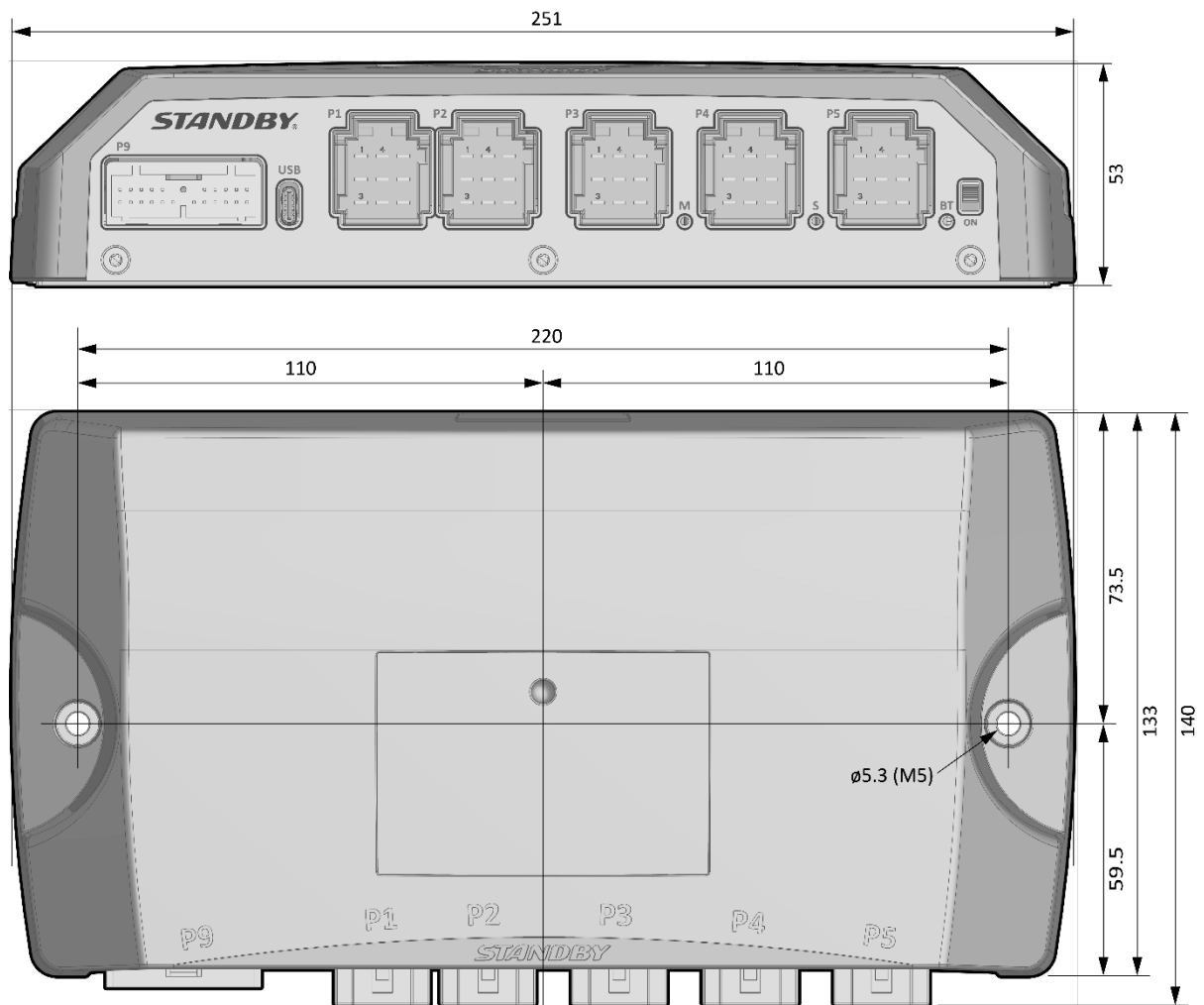
Technical Data

Supply voltage	+10–30 VDC	Enclosure class	IP20
Current consumption (electronic)	200 mA / 12V	Housing material	PC/ABS
Recommended fuse (electronic)	1 A	Dimensions	251x140x53 mm
PCBA	Overheat protected	Mounting	Surface mounting
Interface	CAN	Approvals	ECE R10 (EMC)
Outputs	24 digital ±	Ambient temperature	-40°C to +85°C (operating)
Inputs	3 analog, 8 digital ±		

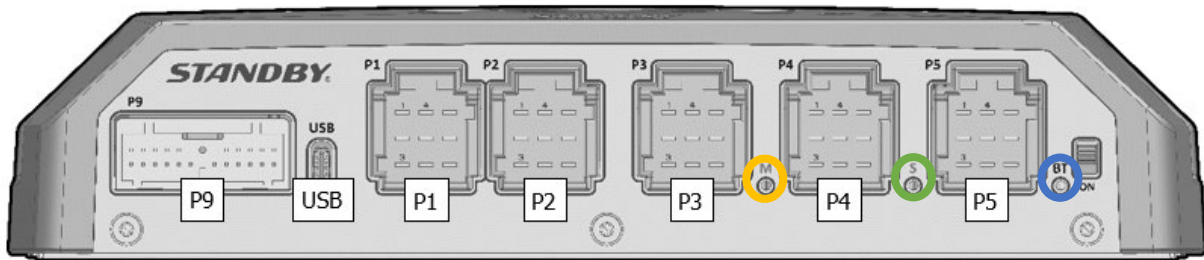
Included



Mounting



Connection



Connector P9

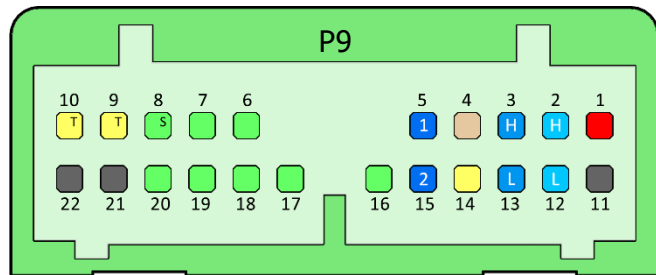
Chassi connector: JAE IL-AG5-22p-D3L2

Cable connector: JAE IL-AG5-22S-D3C1

Crimp contact: JAE IL-AG5-C1-5000

Harness available from Standby:

22pol Green JAE 0,3m SE05 Small/CU24
Part no: 60580248



Power supply:

Install a 1A fuse for the power supply

PIN FUNCTION	
1	Power supply
2	ST-CAN1 High
3	ST-CAN2 High
4	LIN
5	CANL for XCAN
6	Digital input ±
7	Digital input ±
8	Digital input. Can measure speed from pulses ±

PIN FUNCTION	
9	Analog input Temp sensor
10	Analog input Temp sensor
11	Ground
12	ST-CAN1 Low
13	ST-CAN2 Low
14	Analog input 0-32V
15	CANH for XCAN
16	Digital input ±

PIN FUNCTION	
17	Digital input ±
18	Digital input ±
19	Digital input ±
20	Digital input ±
21	Ground Temp sensor
22	Ground Temp sensor

Connector USB

USB C port for programming

Connector P1, P2, P3, P4 and P5

Chassi connector: TE Connectivity 966140-4

Cable connector: TE Connectivity 1-967621-4 (Grey)

Crimp contact: TE Connectivity 927768-1 (1,5-2,5 mm²)

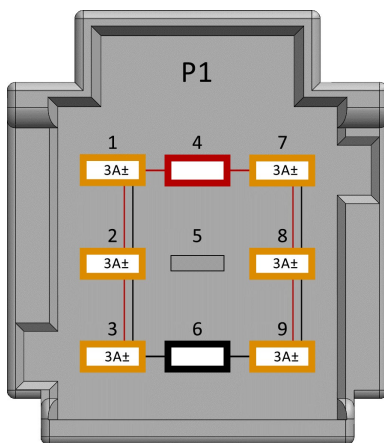
Crimp contact: TE Connectivity 927771-1 (0,5-1,5 mm²)

- Red line shows from which PIN the output is supplied (+)
- Black line shows from which PIN the output is supplied (-)
- Same current when PWM

XA± Means output can be used either with a positive or a negative source.

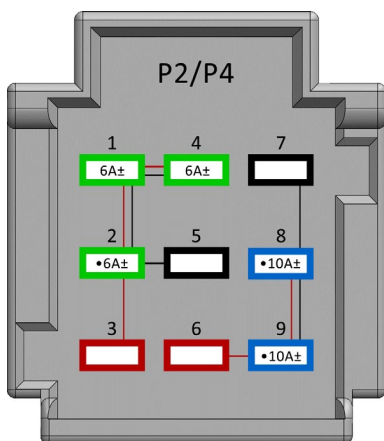
Power supply:

Important, each connector must be powered via an individual fuse. Select a fuse size corresponding to the connected load.



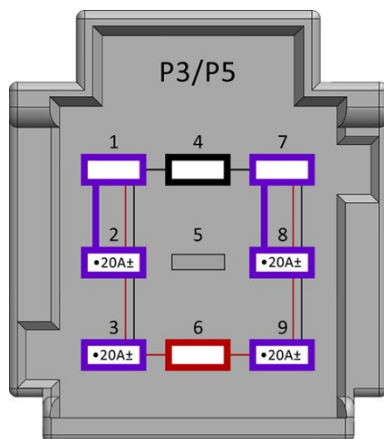
PIN FUNCTION

1	Digital output 3A±
2	Digital output 3A±
3	Digital output 3A±
4	Power supply
5	Not connected
6	Ground
7	Digital output 3A±
8	Digital output 3A±
9	Digital output 3A±



PIN FUNCTION

1	Digital output 6A±
2	Digital output 6A± PWM 20kHz
3	Power supply
4	Digital output 6A±
5	Ground
6	Power supply
7	Ground
8	Digital output 10A± PWM 20kHz
9	Digital output 10A± PWM 20kHz



PIN FUNCTION	
1	Digital output, connected to pin 2
2	Digital output, connected to pin 1 20A± PWM 20kHz
3	Digital output. 20A± PWM 20kHz
4	Ground
5	Not connected
6	Power supply
7	Digital output, connected to pin 8
8	Digital output, connected to pin 7 20A± PWM 20kHz
9	Digital output. 20A± PWM 20kHz

LED information

Name	Function	Colour	Description
LED M	PLC status Master indicator	Yellow	Lit = Contact with master
LED S	CU24 status Slave indicator	Green	Single blink = Running normal Double blink = No master communication Tripple blink = Indicate a fault
LED BT	Voltage indicator for the Bluetooth module.	Blue	ON = Blue light OFF = Not lit

Standby will not be held liable for improper installation or use of this product. Please follow all instructions provided. Professional advice and proper installation of the Standby products by an authorized Standby Partner are recommended to provide maximum safety and function.