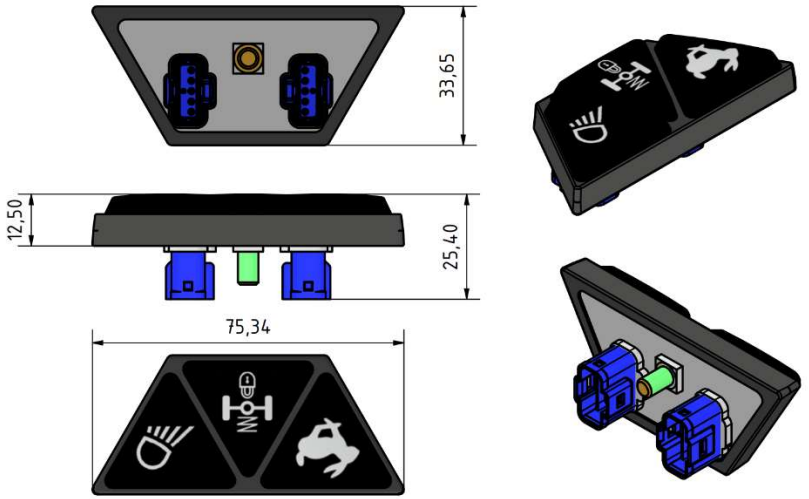
Datasheet CVEP HexSwitch Keypad

Dimensions:



Description:

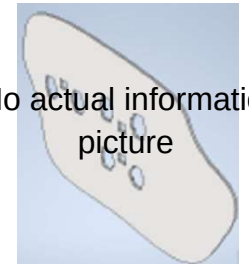
Intelligent and robust Keypad with CAN connectivity.
Because of the triangular shape of the buttons, a more ergonomic arrangement is possible.
Each module has a white background illumination and one RGB status LED. It also has at least one CAN input connector and one IO pin. As an option a second connector is available with internally connected CAN and power lines for “daisy-chain” and a second IO. The IO(s) can measure the voltage from 0-10V and if it is used as Output it is capable to drive loads up to 1.2A. The Output(s) are short circuit protected and the input(s) are overvoltage protected.
Every button has internally a “normal open” and a “normal closed” contact which is monitored by the microcontroller. So not only the switch state is detected, it is also possible to make a plausibility check.

Supply voltage	9-30V
CAN	125, 250, 500, 1000 kBit
Quiescent current	<1mA
Key material	Silicone based
Temperaturbereich	-40°C bis +85°C
Gewicht	ca. 60g
Connector	EDAC 560-005-000-210
Schutzgrad	IP65
Abmessungen	76x34x26mm
Programmable in „C“	yes
Outputs	1x (2x)Highside 1,2A

Pinout

pin	function
1-1	+ VCC
1-2	IO1 analog input or digital out
1-3	GND
1-4	CAN-L
1-5	CAN-H
optional second connector	
2-1	+ VCC
2-2	IO2 analog input or digital out
2-3	GND
2-4	CAN-L
2-5	CAN-H

Panel cutout:



preliminary

Create:	B.Brett	Date:	28.03.2022
Check:		Version:	0.1

CVEP HexSwitch

No.: HSW220101