

KEYPAD MODULE

KPM-C26 / KPM-C260



KEY FEATURES

- + **RGB Backlit Keys** with Customizable Icons
- + **Integrated I/O Driver** - Optional
- + **Ambient Light Sensor**, Buzzer
- + **Adjustable Key Brightness**
- + **CAN Bus** Communications
- + **Low** Installation Depth
- + **Waterproof** Aluminium Housing

Keypad module KPM-C26 uses twelve distinct keys, it is highly resistant to weather conditions and can survive extreme environments, what makes it perfect for installation outside or inside driver cabin. The keys are large, wellspaced and “RIM” embossed, allowing a reliable pressure sensation with a tactile feedback even when wearing protective gloves. The keys can also be used in combination as warning lights.

Type KPM-C260 has an integrated I/O controller with high side power outputs and several inputs that can be useful if the keypad is used as a stand-alone device or as an extension of IO ports for controllers used in the MMX system.

Keypad is programmable. Each key can be configured to operate as a switch or push button. Corresponding key LED is fully configurable, colour and luminance are adjustable. Key label graphics are customizable and backlit coloured according to function groups for easy recognition. Unused keys can be screened off with a dark label. Labels are inserted at the inner side of the front panel of the keypad. Several keypads located on different places can be connected over CAN BUS to collaborate. Keypad modules series KPM-C are a perfect solution in automotive, nautical, agriculture, utility vehicles and industrial sectors.

SPECIFICATIONS

POWER

Supply Voltage 8-32 V DC

Current 130 mA maximum

Electrical Protection overvoltage, transients, reverse polarity, load dump

INTERFACES

CAN 1 x CAN

CAN termination 120 ohm, DIP switch

ENVIRONMENT

IP Class (IEC529)

with terminal block front panel - IP67, back - IP51
with Deutsch DT06 complete IP67

EMC Conformity EN61000-6-2 noise immunity
EN61000-6-4 radiation of interference

Temperature Range storage -40° to +85°C (-40° to 185°F)
operating -40° to +85°C (-40° to 185°F)

KEYS

Key Backlite RGB LED

Icons customizable key icons

Brightness individually adjustable key luminous intensity,
ambient light sensor

Key Design RIM-embossed keys with tactile feedback, dimension
18 x 18 mm

Operating Life >250.000 cycles

ENCLOSURE

Housing Material Aluminium

Mounting in-dash with 4 screws M3 or 2.9 mm tapping screws

Connectors

Power Supply/Can 4 way terminal block or Automotive - Deutsch DT06-6
I/O 14 way Terminal Block

I/O - ONLY VERSION WITH INTEGRATED IO DRIVER

Digital Inputs 6x configurable active low/high levels via software,
0 .. Ub, switch on level >4.6V, switch off level <2V,
integrated pull-up/down resistor, protected

Digital Outputs 12 x positive switching (high-side), max. 1.5 A, total
output from the unit may not exceed 8 A

Loads inductive, capacitive, resistive

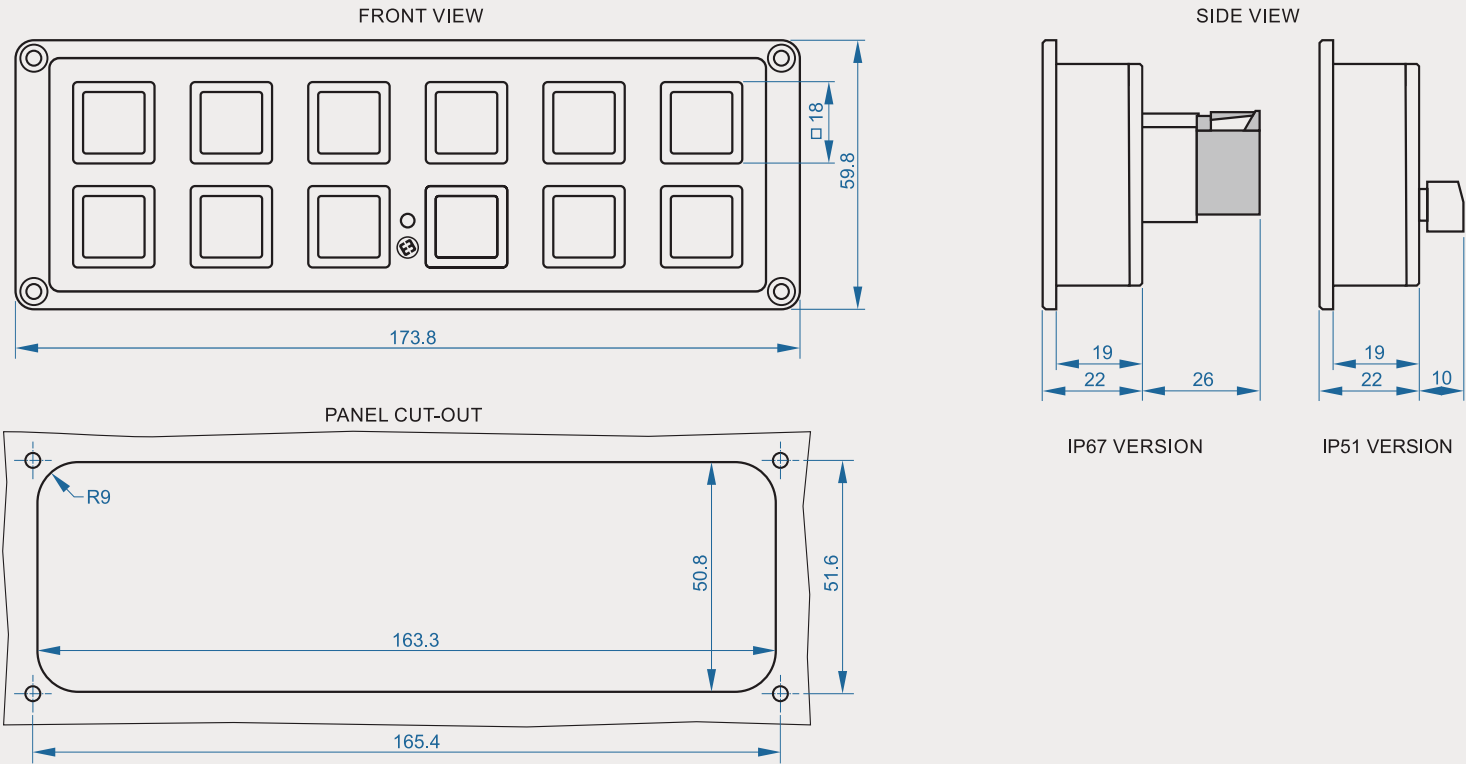
Miscellaneous protection from short circuit and overload

SIZE & WEIGHT

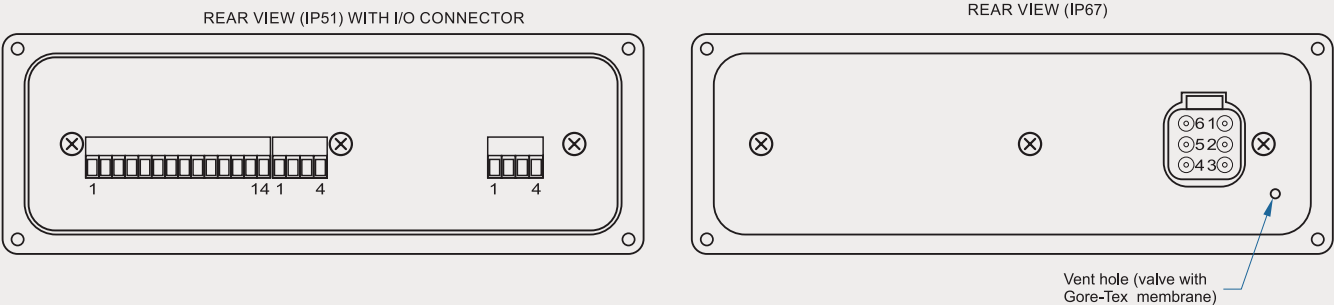
W x H x D 173.8 x 59.8 x 19 without connector

Weight 0.23 kg (IP51), 0.3 kg (IP67)

DIMENSIONS



CONNECTIONS



CONNECTION TERMINAL BLOCK 14 WAY + 4 WAY	
PIN	Description
1-12	HIGH-SIDE OUTPUT
13-14	INPUT - CONFIGURABLE
1-4	INPUT - POSITIVE

CONNECTION TERMINAL BLOCK 4 WAY	
PIN	Description
1	CAN H
2	BATTERY -
3	BATTERY + ("15")
4	CAN L

CONNECTION DEUTSCH DT06-6S	
PIN	Description
1	BATTERY + ("15")
2	CAN L
3	N/A
4	N/A
5	CAN H
6	BATTERY -

PRODUCT CODE

Ordering code example:

K	P	M	-	C	2	6	0				
		SIGNAL INDIC.		KEY CONFIGURATION		I/O		SEALING		SPECIAL FEATURES / APPLICATION	
		C: COLOR -RGB		24: 2-ROW, 4-COLUMN 26: 2-ROW, 6-COLUMN		O: I/O INTEGRATED		D: DEUTSCH CONN. IP67			