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KEYPAD MODULE

KPM-C26



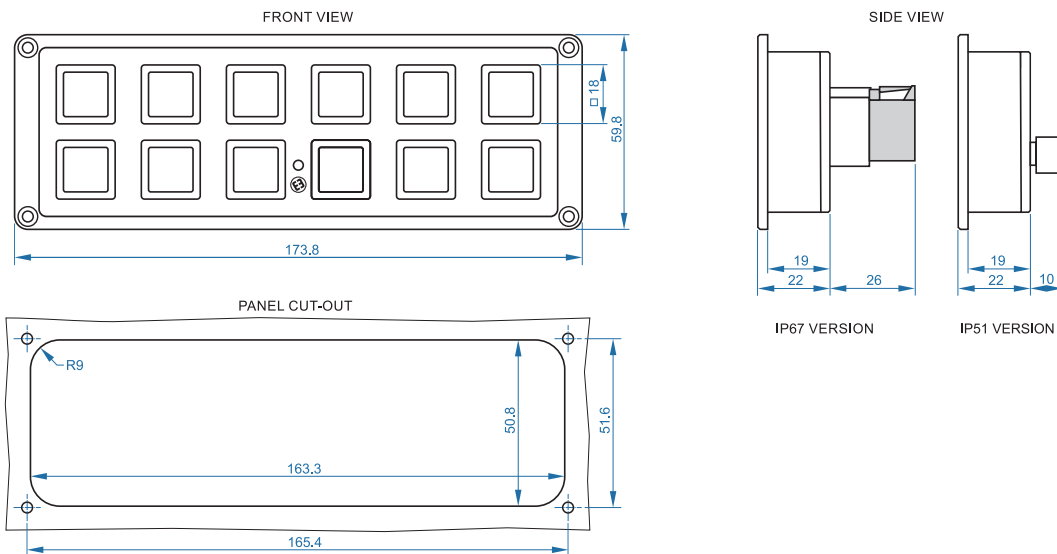
Icons shown on this keypad are for visual demonstration only.

Features and Benefits

- 1 **RGB Backlit, Freely Selectable Icons**
- 2 **Integrated I/O Driver - Optional**
- 3 **Light Sensor, Buzzer**
- 4 **Individually Adjustable Key Luminous Intensity**
- 5 **Low Installation Depth**
- 6 **"RIM" Embossing Keys**
- 7 **Washable, 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, well-spaced 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.

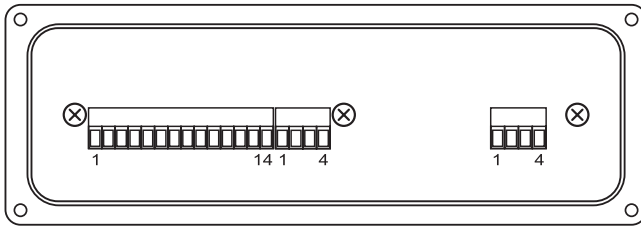


Keypad is user programmable. Each key can be configured to operate as a switch, push button or both as a special feature. Corresponding key LED indicators are fully configurable, colour and luminance are adjustable. Key label graphics are customizable and backlit coloured according to function groups 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.

Connection

REAR VIEW (IP51) WITH I/O CONNECTOR



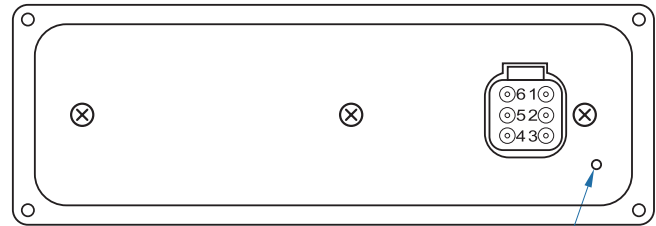
CONNECTION Terminal Block 14 way +4way

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

REAR VIEW (IP67)



Vent hole (valve with Gore-Tex membrane)

CONNECTION Deutsch DT06-6S

PIN	DESCRIPTION
1	BATTERY + ("15")
2	CAN L
3	N/A
4	N/A
5	CAN H
6	BATTERY -

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	front panel - IP67, back - IP51
with terminal block connection	
with Deutsch DT06-6S connector	complete IP67
EMC Conformity	EN61000-6-2 noise immunity EN61000-6-4 radiation of interference
Temperature Range	storage from -40° to +85°C operating from -40° to +85°C
KEYS	
Key LED	RGB backlit icons
Icons	freely selectable icons
Brightness	individually adjustable key luminous intensity, dimmable - light sensor
Key Design	RIM-embossed keys with tactile feedback, operating force 8N
Operating Life	>250.000 cycles
KEY dimension	18 x 18 mm
SIZE AND WEIGHT	
W x H x D [mm]	173.8 x 59.8 x 19 without connector
Weight	0.23 kg (IP51), 0.3 kg (IP67)

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 + 4 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

Ordering Codes

KPM-C26	Keypad module, 12 colour-RGB backlit keys, (2 rows x 6 columns), IP51 connector
KPM-C260	Keypad module, 12 colour RGB backlit keys, (2 rows x 6 columns) with integrated IO driver, IP51 connector
For more options please contact the supplier.	



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