



Systems for mobile machines

ecomatPanel: robust, multifunctional input module



Units for operation and monitoring



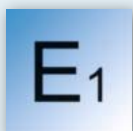
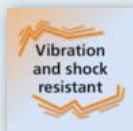
Rotary button with integrated 4-way button and push function

6 RGB backlit function keys and one segmented LED ring

All lighting elements can be controlled individually in any colour

Communication via CAN interface

For 12 and 24 V on-board power supplies



Safe operation in rough environments

The ecomatPanel has been designed for use in the harsh environment in driver's cabins. The rotary button and the function keys are large enough to ensure easy handling even when wearing gloves. The rotary button is also equipped with a 4-way button (up/down/left/right). This makes it possible to quickly navigate through setting menus. Another switching function can be triggered by pushing the rotary button (push function).

Colour feedback

The illuminated ring around the rotary button, consisting of four segments, as well as the illuminated keys provide a clear overview of the set functions. All LED lighting elements can be set separately and assigned individual colours.



Easy integration into panels



CAN interface

Communication is effected via the integrated CAN interface. Via this interface, the individual LED segments are controlled and the status of the keys and the operating head is queried.

Plug & play with ifm displays

The ecomatPanel has been designed for direct communication with the ifm dialogue modules for mobile applications (ecomatDisplays). Once the dialogue module has been connected via CAN bus, the keys and LEDs of the ecomatPanel can be evaluated directly in the application program and be used for the operating functions of the display.

The innovation: No programming of the communication interface is required.

Designed for robust applications

The ecomatPanel can be used in 12 V and 24 V on-board networks.

The high protection rating IP 65 and the closed surface provide protection even under adverse environmental conditions. Even extreme temperatures or permanent shock and vibration do not affect the functions of the ecomatPanel.

Products

Description	Order no.
Devices	
ecomatPanel	CR1300
ecomatPanel, segmented LED ring	CR1301
Accessories	
Mounting frame	EC1300
Connection cable, 4 poles, 5m	E12736
Connector, 4 poles, single contacts	E12737

Technical data ecomatPanel		
Installation	Panel mounting	
Dimensions	[mm]	136 x 86 x 73.5
Ambient temperature	[°C]	-40...85
Storage temperature	[°C]	-40...85
Protection rating	IP 65	
Operating voltage	[V DC]	9...32
Nominal voltage	[V DC]	12 / 24
Max. current consumption	[mA]	400
Reverse polarity protection	•	
CAN interfaces	Number	1
	Protocol	J1939
	Default baudrate [Kbit/s]	250
		135
		(dynamic address assignment is supported)
Connector	Tyco 1-967640-1, 4 poles	

Display / operating elements	
Keys	6 function keys (silicone keyboard) with tactile feedback, freely programmable (softkey function)
Key background illumination	RGB LED (brightness adjustable)
Rotary button	24 stops per revolution with push function and joystick function in two axes
LED ring, segmented	CR1300: not included CR1301: around the rotary button, divided in 4 segments with RGB LED (brightness adjustable)

We reserve the right to make technical alterations without prior notice. · 11.2020