



Touch Panel





Technical Data

Construction	Plastic housing with polycarbonate glass
Connector	Molex MicroFit 8pol
Housing Dimensions	155mm x 96mm x 24.2mm
Weight	250g
Ambient Temperature	-40°C bis 85°C
Storage Temperature	-40°C bis 85°C
Protection Class	IP 54
Operating Voltage U_B	9-30 V with protection against reverse polarity and electrical transients
Current Consumption	30mA

Processor

Manufacturer	Freescale
Processor Type	S9S08DZ60
Clock Frequency	40 MHz
Flash	60 K
Ram	4 K
EEPROM	2 K

Interfaces

CAN-bus

According to ISO 11898-5	High speed Baud Rate 10 kBit/s – 1000 kBit/s, default 125kBit/s
According to CAN 2.0A	11-Bit standard address identifier
According to CAN 2.0B	29-Bit extended address identifier
CAN Wake Up Activated Via Dip-switch	
CAN Termination Activated Via Dip-switch	

Technical examination

E1 Approval Number	047140
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Description

10 Capacitive Buttons
Automatic adjust of the optical button feedback due PWM controlled LEDs and ambient light sensor



Default Functions

Switchable Backlight
Switchable Button Feedback LEDs
Acoustical Button Feedback
Key Lock Function by Flashing and Beeping
Flashing of Button Feedback LED Without Sound
Flashing of Button Feedback LED with Sound
Enable Dimming Function (depending on ambient light) -> Threshold Adjustable

Programming

Interface	CAN-bus
Software	MRS Developers Studio with built-in function library, similar programmable like FUP. Customized program components can be integrated into "C-code". Program memory is sufficient for about 300 simple components.

Connection assignment

Pin	Signal	Pin description
1	CAN-L	CAN-low
2	CAN-H	CAN-high
3	KL 31	GND
4	KL 30	9-30V supply voltage

Ordering information

Designation	Execution	Order Number
Touch Panel	MRS front panel without button lettering and cable feedthrough in the bottom	1.046.300.00

Accessories

Designation	Order Number
Cable set Touch Panel	113131
Connector Package for Touch Panel	112321