Embedded Systems SIA
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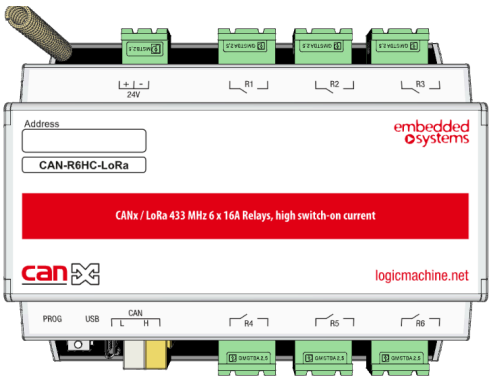
CAN-R6HC-LoRa
CANx LoRa 6 x 16 A Relays, high starting current, manual control buttons

CAN-R6HC-LoRa is a DIN-rail mounted 6-channel relay module designed for switching of AC/DC loads with a high starting (inrush) current.



Physical interfaces	
Relays	6
Relay current	16 A
Inrush current	165 A / 20 ms; 492A / 1.5ms (LED)
Relay control button	6
CAN FT	1
Programming / reset button	1
USB 2.0	1 (only for device firmware upgrade)
Radio interface	
LoRa 433	1 (on-board antenna)
Transmitter power	1.6 .. 50 mW (software adjustable)
Frequency range	433 .. 434.75 MHz
Power	
Power supply	24 V DC
Power consumption	0.29 W (stand-by), 2.90 W (LoRa active)
Connections	
CANx bus	Bus connection terminal, 0.8 mm^2
Power supply and relays	Screw terminals, 0.8 mm^2 .. 2.5 mm^2
LED indicators	
Green	Bus activity / programming mode
Red	Bus or hardware fault / reset
Yellow /Blue	LoRa transmit / receive
Enclosure	
Mounting support	DIN rail
DIN module width	6
Dimensions WxHxD	108 x 120 x 61 mm
IP degree of protection	IP20
Net weight	280 g
Standards compliance	
EMC	EN61000-6-1; EN61000-6-3
Environment	
Operational temperature	0 °C .. +45 °C
Storage temperature	-15 °C .. +55 °C
Relative humidity	0% ... 93% (without condensation)
Warranty	2 years

Key highlights

Robust and efficient communication
Utilizes time-proven CAN FT field bus.

High bandwidth CAN FT bus
Supports 48Kbps over CAN FT bus, ensuring fast and reliable data transfer.

Seamless protocol interoperability *
Unified data types enable smooth integration with other systems such as KNX, Modbus, BACnet, MQTT, and more.

Co-exists with KNX while enhancing performance *
Eliminates KNX fieldbus limitations (speed, semantics) while maintaining full user experience and compatibility with KNX.

ETS-friendly integration *
Supports importing KNX project files and enriching them with semantics for advanced data modelling.

Comprehensive commissioning *
Free CANx and DALI web-based commissioning tools available via the LogicMachine app store for device discovery, configuration and diagnostics.

** LogicMachine is required for commissioning and interconnectivity with other protocols.*

logicmachine.net

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