
DI-LEDBAR-000



Key Features

- Display features
 - 10 individually programmable multi-color LEDs for shift lights, wheel-locking, alarms and other indications
 - Automatic brightness control through ambient light sensor
 - GAP time (can be visualized via LEDs)
 - Display of Dorna flags (can be visualized via LEDs)
- Sticklogging features
 - Stores data directly on 64 GB USB 3.0 Stick with > 600 kByte/s
 - Supports USB Stick hot swap
 - Optional CAN-Streamlogging: Create measurements with "unlimited" number of OFFLINE CAN channels & Streamreplay (OPT-008)
- CAN-bus features
 - Up to 2 CAN lines (OPT-001) with 2 Mbit/s each
 - 32 ONLINE CAN channels can be recorded and send to other CAN-devices with sampling rate up to 200 Hz each (online CAN-DB/DBC-file decoding)
 - Optional CAN channels sampling rate of up to 1000 Hz (OPT-002)
 - Optional with CAN/CAN-FD: XCP/CCP option with "Listen only" Mode (OPT-005)
- 24 Math channels for online calculation
- Freely programmable CAN Interface (via USB-Stick or USB communication)

Available options (all options can be combined freely!)

OPT-001	<u>Additional</u> CAN-Line (up to 2 CAN lines possible)
OPT-002	Increased max. sampling rate of 1000 Hz (for all channels)
OPT-004	Full ONLINE channel Routing/Interface
OPT-005	CAN/CAN-FD/Ethernet - CCP/XCP Protocol (Online Decoding)
OPT-008	CAN-Streamlogging: Create measurements with "unlimited" number of OFFLINE CAN channels & Streamreplay
OPT-012	Waterproof USB Stick incl. Connectors/connector cables

Available housing options (on request)

- different housings (carbon,...)
- different designs (ducting,...)

Technical specifications

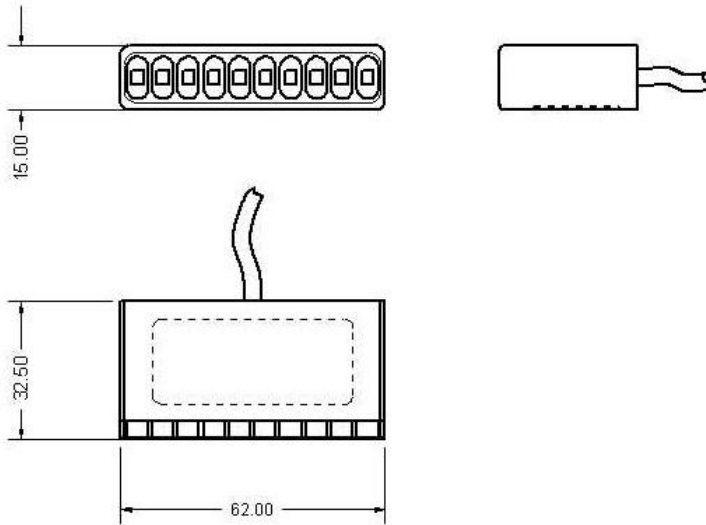
CAN characteristics		Electrical characteristics	
CAN channels (optional)	32	Supply voltage	V 8 - 16
CAN Line (optional)	1 (up to 2)	Current consumption max, 10 LEDs white (@12V)	mA 400
CAN termination	no	Current consumption min, LEDs off (@12V)	mA 55
CAN Identifiers (changeable)	unlimited 11bit/29bit	Mechanical characteristics	
CAN powered	yes	Aluminum housing	
Baud rate (changeable)	125/250/500/1000	Dimensions	mm 62x 32.5x 15
preset to	kBaud 1000	Weight	g 66
USB powered *	yes	Cable CAN line	
Environmental data		Wire cross section	4 x AWG24
Ambient operating range	°C -20 to +60	Type	Raychem DR25
Protection class	IP67	Length	mm 800
Humidity	% 5 to 95	Connector type	Binder 712, 5PM
Operation mode status indicator		USB line	
LED	red and green blinking	Connector type	USB Typ A, socket
		Ordering information	
		DI-LEDBAR-000	

* limited brightness while USB powered

CAN DB creation

- Every Setting change in the module creates automatically a CAN DB in
C:/ProgramData/Race20xx/System/CAN-DB

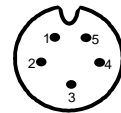
Dimensions



Connector layout

CAN line, Binder 712 5PM

Pin	Name	Description	Color
1	CAN Hi	CAN High	white
2	CAN Lo	CAN Low	green
3	GND	Ground	black
4	KL15	Switched power	blue
5	Vext/KL30	Power supply 8- 16V	red



Front view

USB, Type A socket

Pin	Name	Description	Color
1	VCC	Power supply +5V	red
2	GND	Ground	black
3	Data +	Data line +	green



Front view