
Dorna Flag Indicator (preliminary)



Key Features:

- *visualisation of all Dorna flag signals received through Dorna Transponder X2 CAN BUS connection*
- *10 individually programmable multi-color LEDs*
- *7 different colors*
- *automatic brightness control through ambient light sensor*
- *plug & play - ready to use*
- *Data transfer via USB-Stick*

Options:

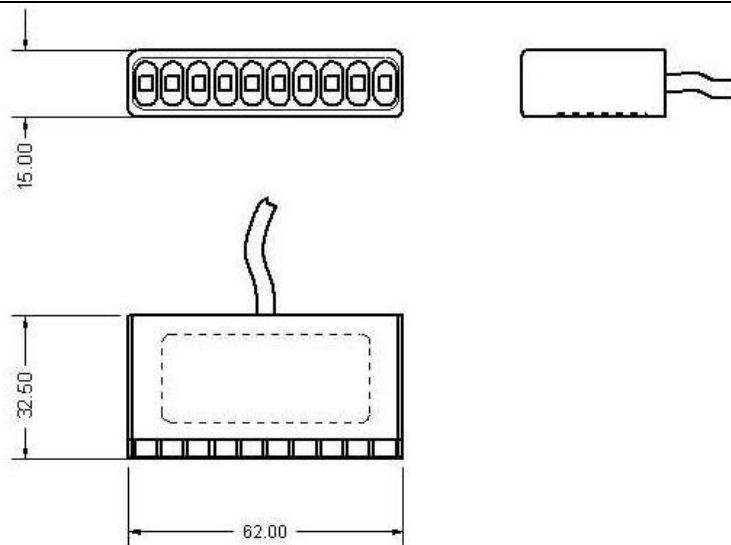
- *logger function, identically with USB Stick CAN Memory (LG-CANStickxC-000)*
- *shift light function*
- *section/lap time gain indicator*
- *fully programmable through USB-connection*

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Technical specifications

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

Dimensions

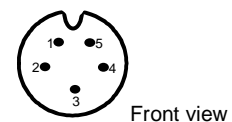


Connector layout

Connector type

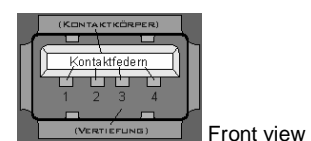
CAN line, Binder 712 5PM

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











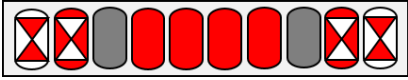

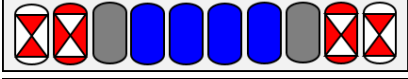

USB, Type A socket



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



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Flag Signals

Green Flag		
Yellow Flag		
Red Flag		
Blue Flag		
White Flag		
White Flag with diagonal Red Cross		
Yellow and Red Striped Flag		
Chequered Black/White Flag		
Black Flag	tbd	
Black Flag with Orange Disc	tbd	
PENALTY: Go to Position	tbd	
PENALTY: Ride Through	tbd	

	LEDs off
	LEDs white/red flashing

Optional custom made versions on request like

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