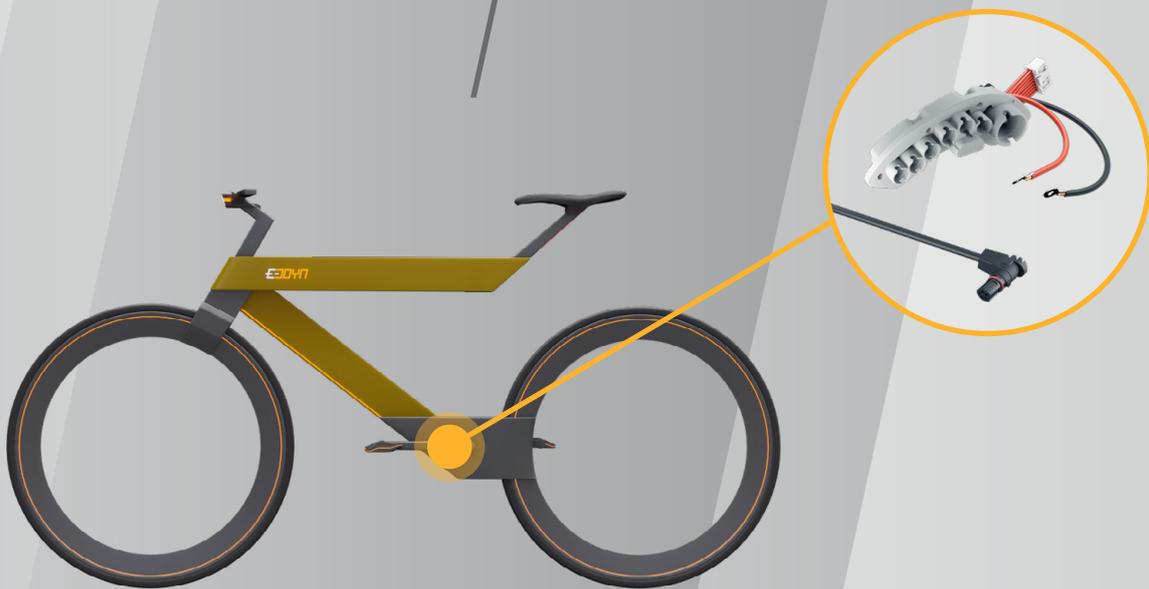


# MOTOR INTERFACES AND SYSTEM WIRINGS



# CONNECTION BETWEEN MOTOR ELECTRONICS AND ALL PERIPHERAL MODULES

We developed a secure and efficient connection from the motor to all peripheral modules of your eBike, Pedelec, or any other LEV. Our system includes all interfaces and wirings for the battery, lights, HMI, brake switches, speed sensors, etc. A direct connection to the internal motor control board is possible. The interfaces are fully sealed and impress with their micro design. Thanks to an integrated Bluetooth module, wireless communication via an app control system is possible.

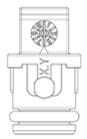
**In close cooperation with our customers, we realize product requirements for optimal system integration.**

## KEY FEATURES

IN 90° VERSION	according UL94 V-0
COUNTER PLUGS	in 90° version
CODINGS	all connectors code separately
MATING CYCLE FREQUENCY	25
IP-DEGREE OF PROTECTION	IP67 and longitudinal water tightness even if the conter plugs are not installed

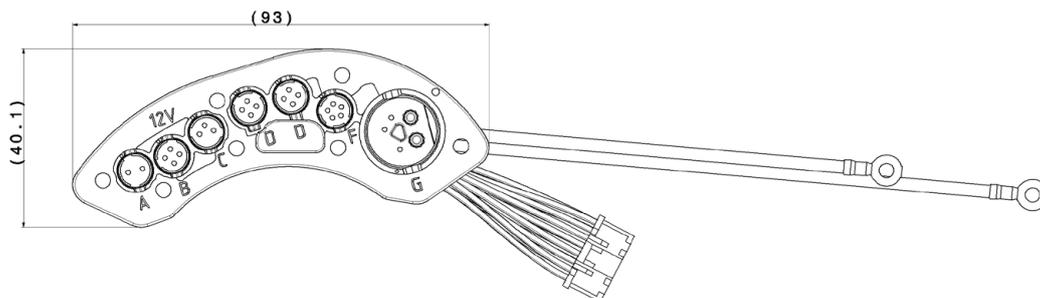
## APPLICATION EXAMPLE

PLUG	DESCRIPTION	CONTACT POINTS	MAXIMUM LOAD	VOLTAGE
A	brake	2 way	0.2 A	e.g. 5 V DC
B	front light, rear light, brake light	4 way	2 A	6V, 12 V DC
C	speed sensor	3 way (1 reserve)	0.5 A	5 V DC
D	auxiliaries (external peripherals)	4 way	0.5 A	12 V DC
F	HMI	5 way	1 A	12 V DC
G	battery discharge	2+4 way	20/25 A 5 min	48 V DC
OPTIONS	bluetooth modul	for wireless programming		
	blind plug	for unoccupied interfaces		



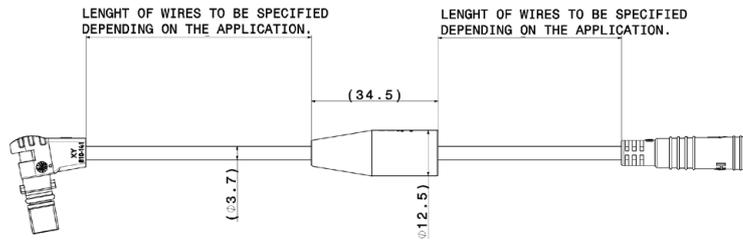
blind plug

## MOTOR INTERFACE

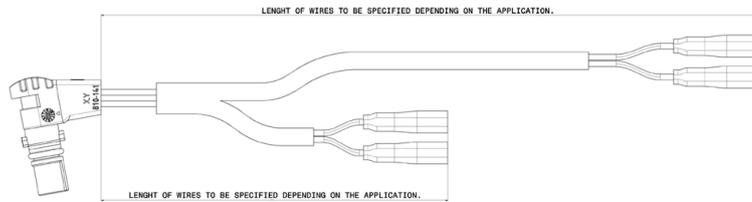


CONNECTOR A BRAKE	PIN	CONNECTOR B LIGHT	PIN	CONNECTOR C SPEED SENSOR	PIN
braker switch	2	+ 6 V light	1	rear wheel speed out	1
GND	4	braking light	2	rear wheel speed Vdd	2
		GND	3	reserve	3
		GND	4	GND	4
CONNECTOR D AUXILIARIES	PIN	CONNECTOR F HMI	PIN	CONNECTOR G BATTERY DISCHARGE	PIN
CAN_L	1	+ 12 V	1	CAN_H	1
CAN_H	2	CAN_L	2	resere	2
+ 12 V	3	wake up	3	CAN_L	3
GND	4	CAN_H	4	wake up	4
		GND	5	VBAT	5
				GND	6

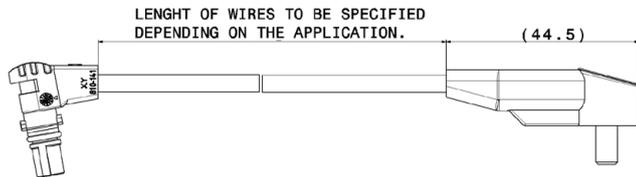
## BRAKE HARNESS



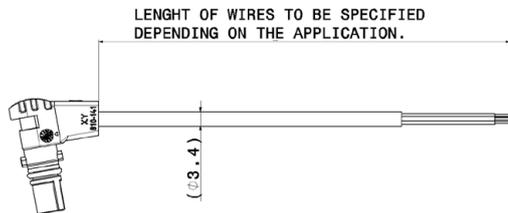
## LIGHT HARNESS



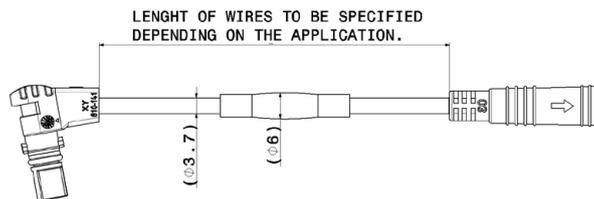
## SPEED SENSOR HARNESS



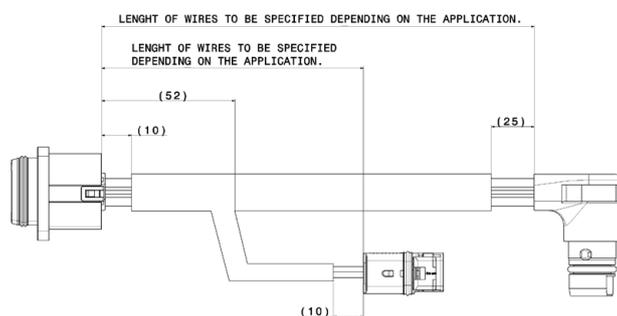
## AUXILIARIES



## HMI HARNESS



## BATTERY DISCHARGE HARNESS



SEEKING MORE DETAILED INFORMATION?  
SCAN ME AND VISIT OUR WEBSITE.



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