

# ISOTTA

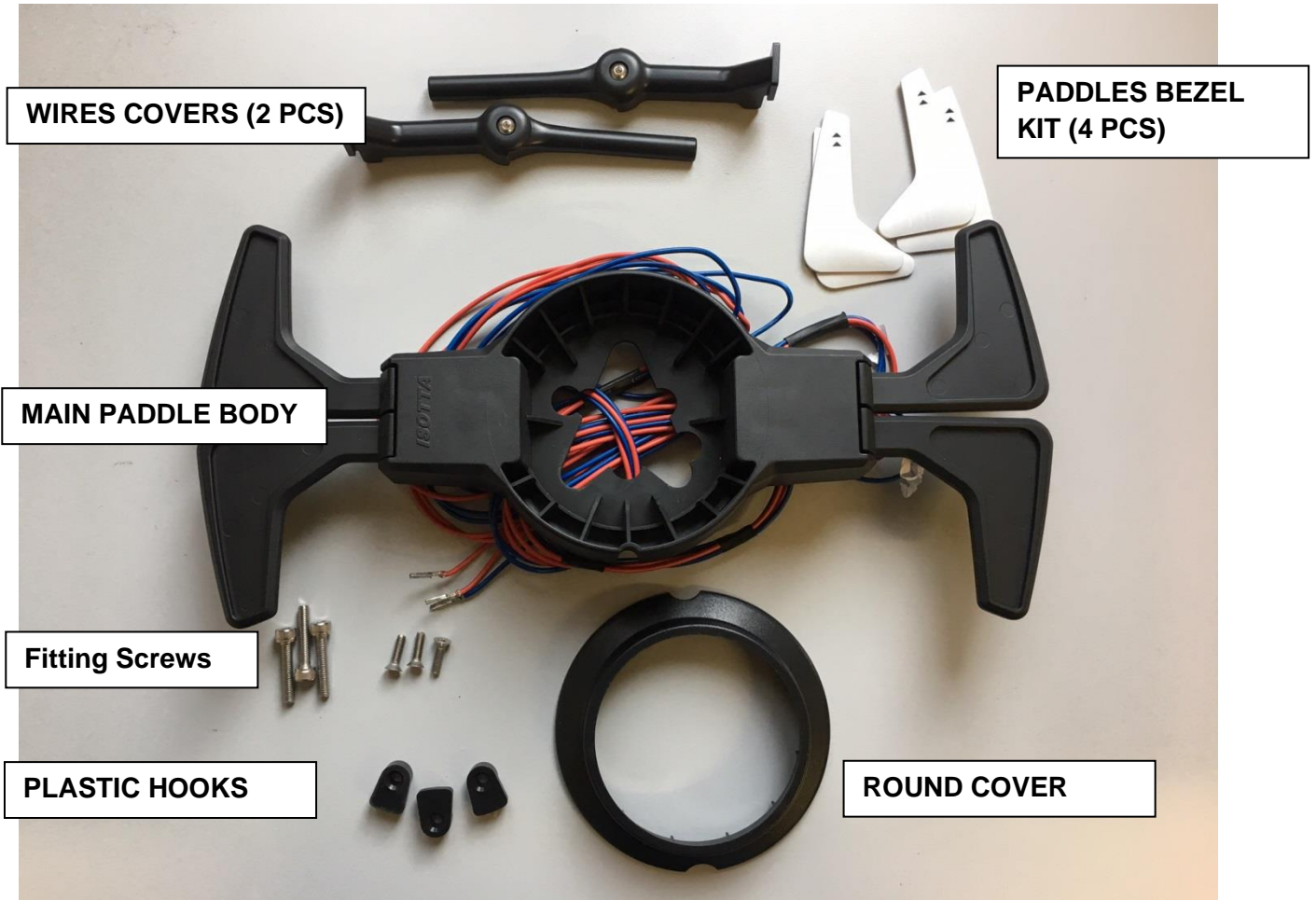
## SPORT PADDLE

### Manual Instruction

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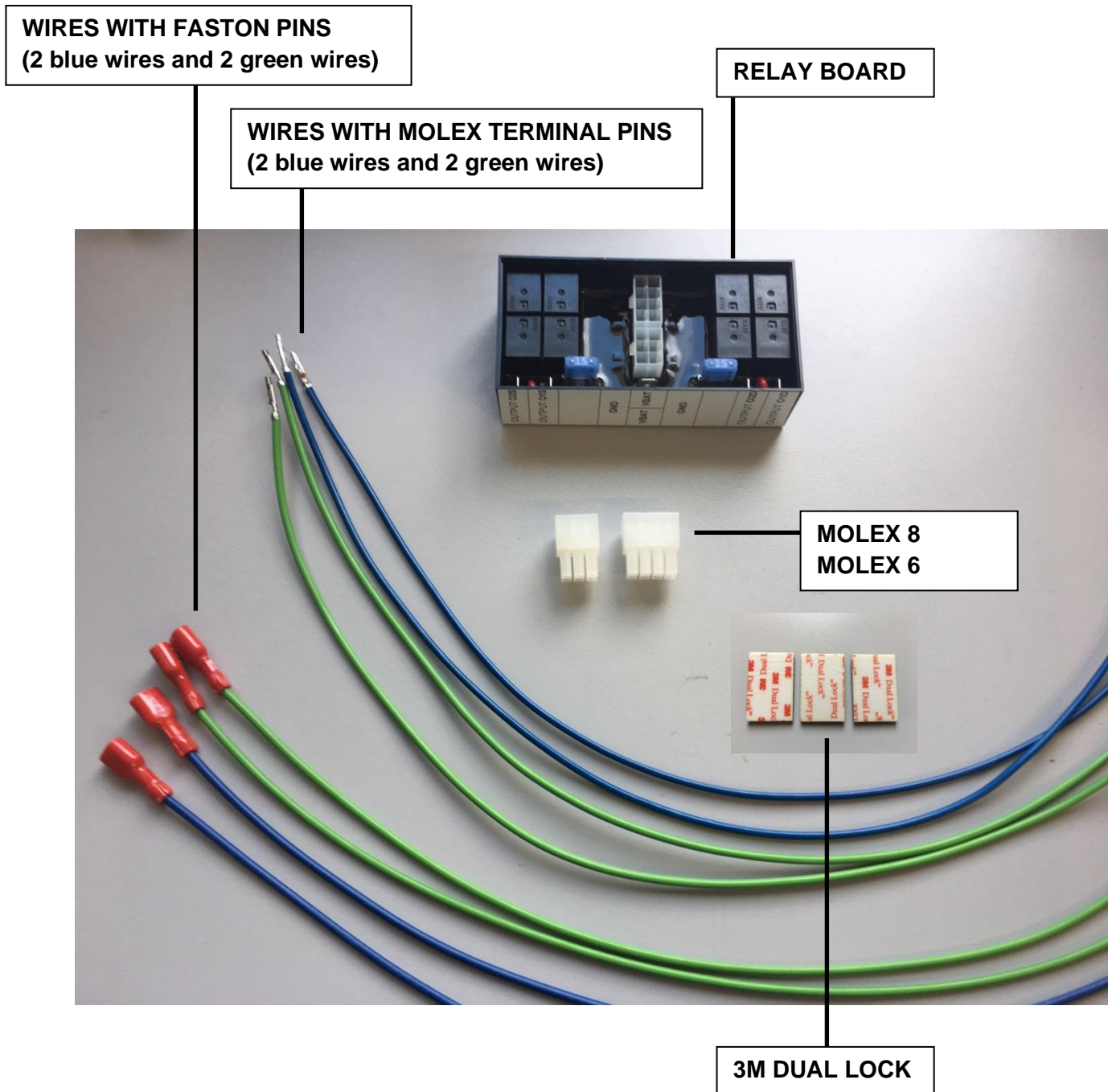
**\*=Both instruction are based on a Seastar/Dometic application.  
For Uflex application please check specific instruction**

## SPORT PADDLE - LIST OF COMPONENTS



## PADDLE SMART BOX RELAY - LIST OF COMPONENTS

(all these parts are optional and need to be purchased separately, SMART BOX kit is necessary to rise power of switch up to 20Amp – 12VDC)



## SPORT PADDLES

### FITTING INSTRUCTION FOR HYDRAULIC (direct) PUMP (Seastar helm)

#### STEP 1

Make 2 holes for WIRE COVERS into your dashboard by using supplied **ISOTTA TEMPLATE**. Holes diam. 10mm (0.40 inch)

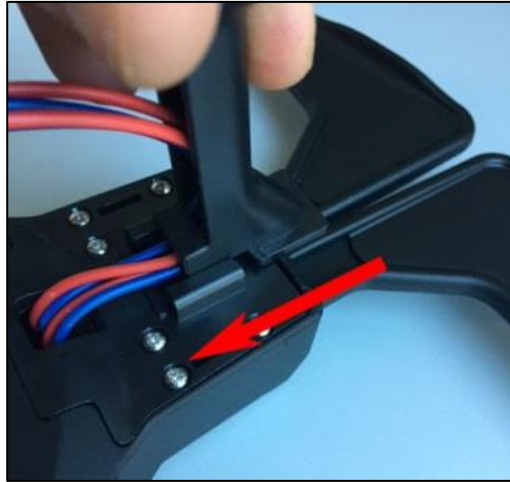
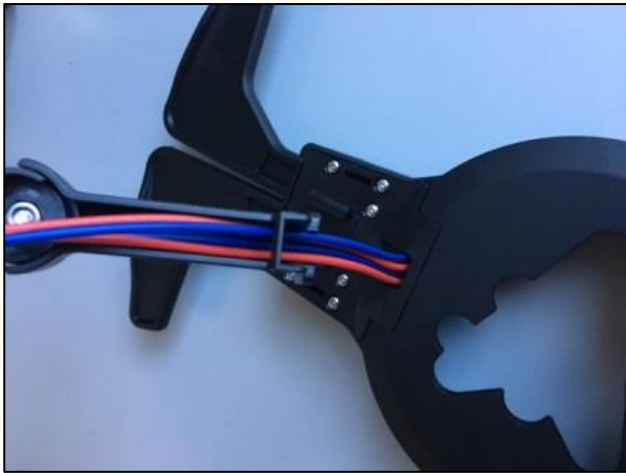


#### STEP 2

Insert the 2 WIRE COVERS into the grommet located on the backside of the MAIN PADDLE BODY

A – insert cables as showed

B – Slide WIRE COVER into the grommet till the end



### STEP 3

Route wires through the 2 holes (4 wires each side)



### STEP 4

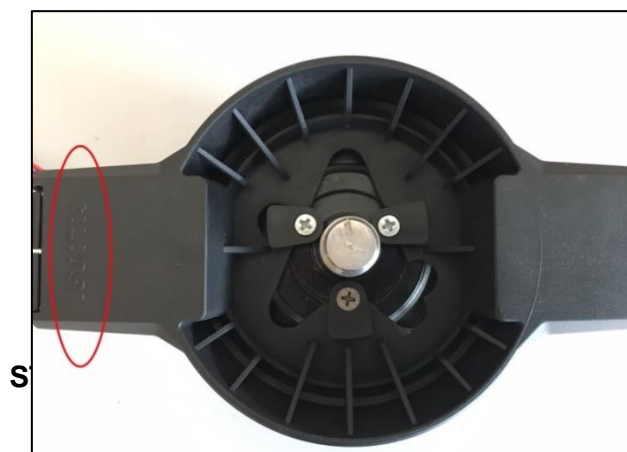
Remove the three countersunk Phillips head screws that hold the shaft seal retaining ring of the pump (keep the seal ring, don't remove it).



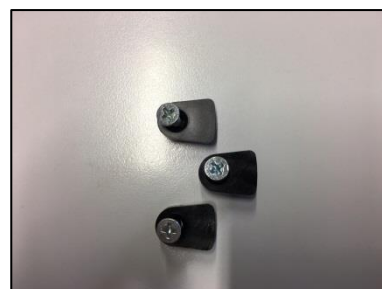
### STEP 5

Position the Sport Paddles to align with the three holes of the helm, then use **supplied new countersunk Phillips head screws** and **PLASTIC HOOKS** to mount and fix the **MAIN PADDLE BODY**

Place **MAIN PADDLE BODY** in the correct position: ISOTTA logo must stay as showed on picture below



PLASTIC HOOKS



Insert the 2 WIRES COVERS into the 2 holes with wires.



### STEP 7

Makes final control to check if MAIN PADDLE SET is well fitted with tilt mechanism

### STEP 8

Fit hub adaptor and ROUND HUB COVER together, then fit everything into the shaft.  
DON'T FORGET to block shaft with bolt and nut



**\*\*\*\*\* See other instruction for WIRING CONNECTION \*\*\*\*\***

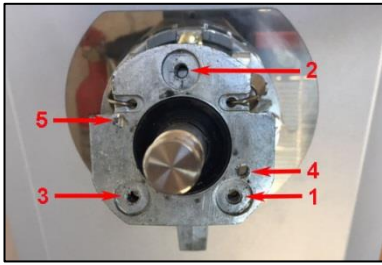
# SPORT PADDLES

## FITTING INSTRUCTION FOR SPORT TILT HELM (Seastar tilt helm)

### STEP 1

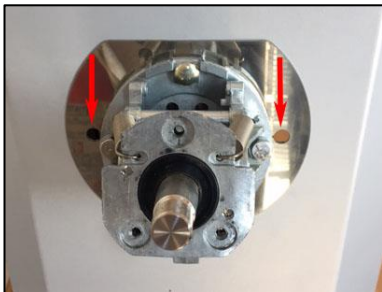
FOR SEASTAR SPORT PLUS TILT: thread holes 1-2-3 on image below (thread **UNI 5737 M5**)

FOR SEASTAR SPORT TILT (with rubber gaiter): enlarge holes 4 and 5 on image below and thread (thread **UNI 5737 M5**)



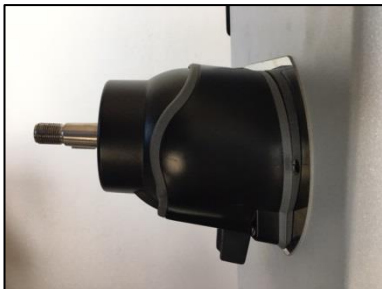
### STEP 2

Make 2 holes into your dashboard by using supplied **ISOTTA TEMPLATE**. Holes diam. 10mm (0.40 inch)



### STEP 3

Put original tilt cover and move tilt at 90° to facilitate fitting operations.



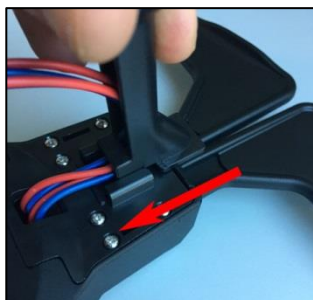
### STEP 4

Insert the 2 WIRES COVERS into the grommet located on the backside of the MAIN PADDLE BODY

A – insert cables as showed



B – Slide WIRES COVER into the grommet till the end





## STEP 5

Remove the protective film and fix the 4 BEZELS in the correct position (bottom part of bezel is adhesive)



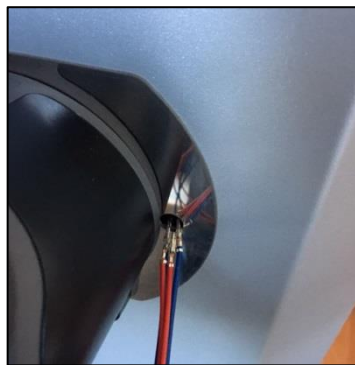
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## STEP 6

Place MAIN PADDLE BODY in the correct position: ISOTTA logo must stay as showed on picture below



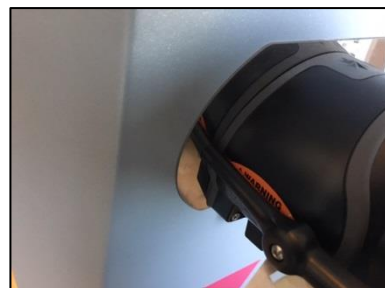
Route wires through the 2 holes (4 wires each side)



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## STEP 7

Insert the 2 WIRES COVERS into the 2 holes with wires.



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## STEP 8

Fit the MAIN PADDLE BODY by using supplied PLASTIC HOOKS and **flat allen screws**.



NOTE: depending by the tilt model used, you can select 2 different way to fit PLASTIC HOOKS.

Version 1 with 3 HOOKS



Version 2 with 2 HOOKS



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## STEP 9

Makes final control to check if MAIN PADDLE SET is well fitted with tilt mechanism

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## STEP 10

Fit hub adaptor and ROUND HUB COVER together, than fit everything into the shaft.  
DON'T FORGET to block shaft with bolt and nut



\*\*\*\*\* **WIRING CONNECTION** \*\*\*\*\*

ISOTTA Sport Paddles can be installed directly into any system as they are equipped with MOLEX minifit 39-00-0038.

Further, additional **SMART BOX RELAY** can be purchased separately

**SPORT PADDLES**  
**WIRING INSTRUCTION FOR CONNECTION WITH SMART BOX RELAY**

**WARNING**

*Wiring connection must be done only when MAIN PADDLE SET is already mounted to the helm.  
Disconnect the battery before start wiring connection*

**STEP 1**

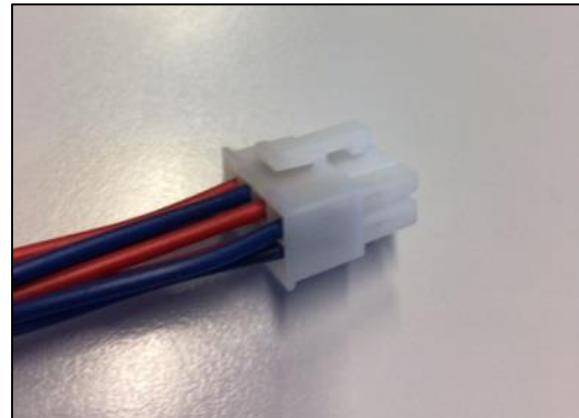
**Connect the 8 wires of Paddles to the supplied ISOTTA MOLEX F8 (with 8 pins)**

LOWER RIGHT PADDLE WIRES: Blu wire > MOLEX slot n° 1  
(Label colour **GREEN**)                      Red wire > MOLEX slot n° 2

UPPER RIGHT PADDLE WIRES: Blu wire > MOLEX slot n° 3  
(Label colour **PINK**)                        Red wire > MOLEX slot n° 4

LOWER LEFT PADDLE WIRES: Blu wire > MOLEX slot n° 5  
(Label colour **YELLOW**)                    Red wire > MOLEX slot n° 6

UPPER LEFT PADDLE WIRES: Blu wire > MOLEX slot n° 7  
(Label colour **RED**)                         Red wire > MOLEX slot n° 8



**CORRECT PINS NUMBER CONNECTION MUST BE RESPECTED**

**STEP 2**

**Connect SMART BOX faston output to the existing Trim or Jackplate wires coming from the motor:**

**PLEASE NOTE**

- Match Faston Output O2S to Paddle Upper Left
- Match Faston Output O1S to Paddle Lower Left
- Match Faston Output O2D to Paddle Upper Right
- Match Faston Output O1D to Paddle Lower Right

### STEP 3 (optional)

Although the original rocker/switch of your Jackplate/Trim are no longer necessary, you can still decide to use them by following this instructions.

Connect supplied blue and green wires with pins to the supplied **ISOTTA MOLEX F6 (with 6 pins)**:

- Function connected to Paddle Upper Left > into Molex 6 pins slot n° 5
  - Function connected to Paddle Lower Left > into Molex 6 pins slot n° 4
  - Function connected to Paddle Upper Right > into Molex 6 pins slot n° 2
  - Funtcion connected to Paddle Lower Right > into Molex 6 pins slot n° 1
- Splice existing wires from existing switch into supplied blue and green wires

### STEP 4

**Connect wires VBAT 12V and GROUND**

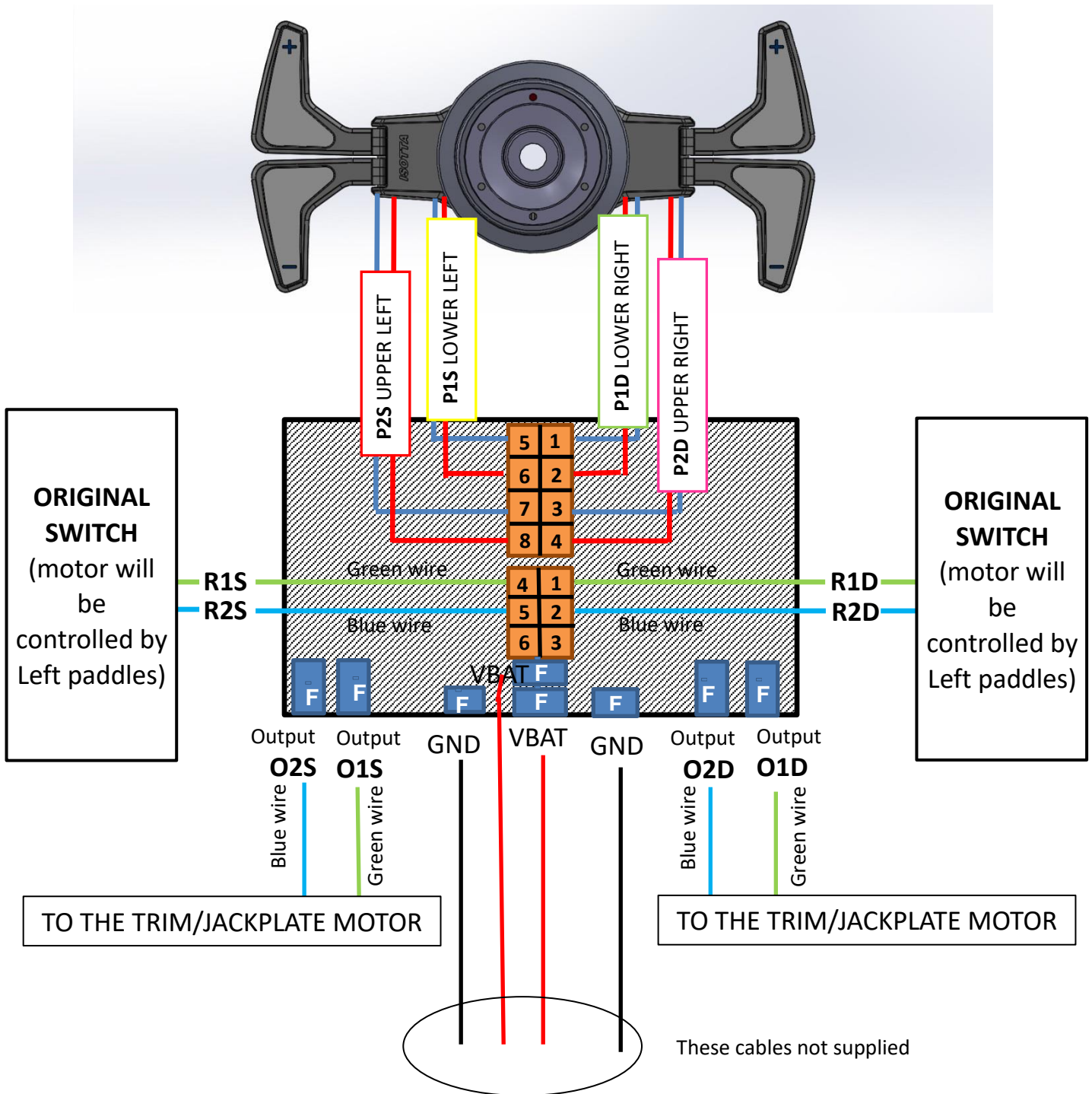
ISOTTA RELAY BOARD is supplied with 2 fastons for 12V and 2 fastons for GROUND, but only one each is necessary to be used.

### STEP 4

Find dry area inside the boat, clean the surface and fit ISOTTA RELAY BOARD with supplied 3M Dual Lock (3 pieces supplied).



\*\*\*\*\* SEE SCHEME NEXT PAGE \*\*\*\*\*



**INPUT/OUTPUT CONNECTION**

Each single paddle is univocal connected with each specific Output and external rocket (if existing):

Paddle Upper Left > O2S > R2S (if required)

Paddle Lower Left > O1S > R1S (if required)

Paddle Upper Right > O2D > R2D (if required)

Paddle Lower Right > O1D > R1D (if required)

# CONNECTION TO LENCO

## WARNING

Wiring connection must be done only when MAIN PADDLE SET is already mounted to the helm.

## WARNING

Disconnect the battery before start wiring connection

Each couple of wire has specific coloured label at the end, to easy reconize its paddle shifter

Paddle "Port Down": Label colour **RED**

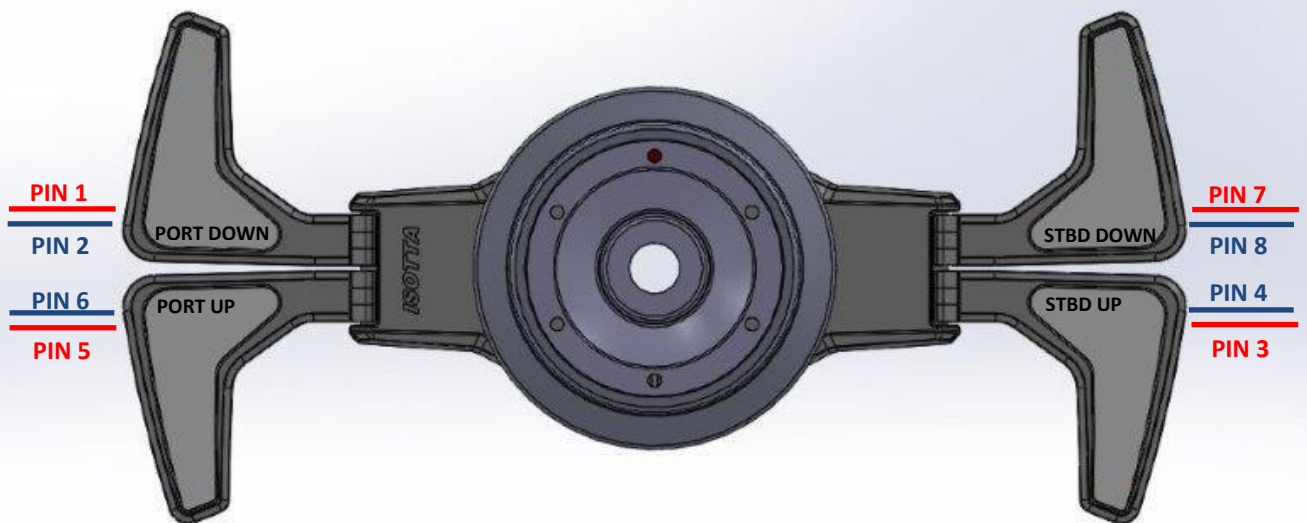
Paddle "Port Up": Label colour **YELLOW**

Paddle "Stbd Down": Label colour **PINK**

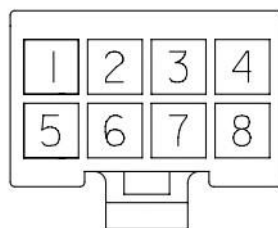
Paddle "Stbd Up": Label colour **GREEN**

## STEP 1

Connect the 8 wires from Paddles to the supplied **ISOTTA MOLEX F8** by following instruction below:

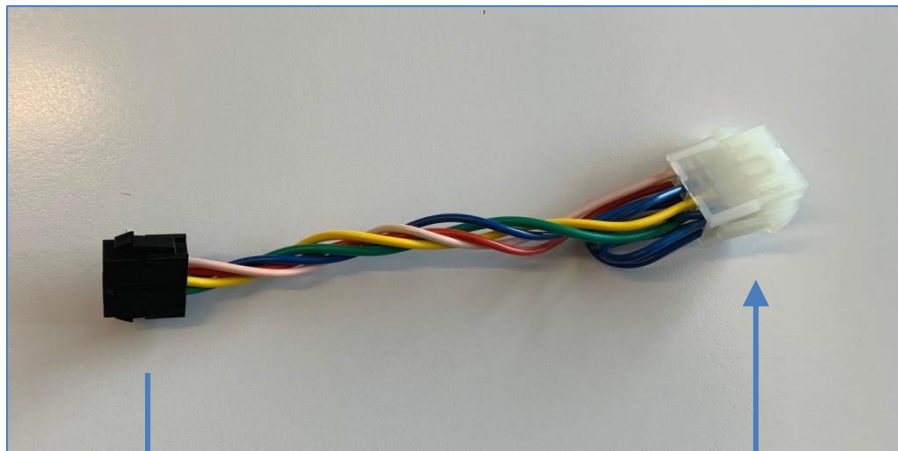


Molex 8 pin connector



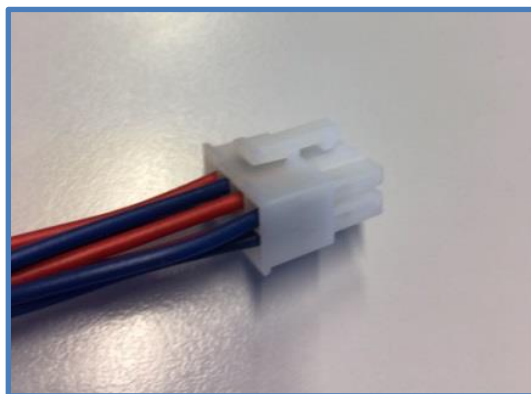
## STEP 2 FOR NEW LENCO LED SWITCH (INTEGRATED TACTILE SWITCH)

Take Isotta cable p/n CAVO LNC PALET to connect Lenco switch (by using the “Flybridge cable”) and the ISOTTA MOLEX F8 with blue and red wires



THIS SIDE TO LENCO INTEGRATED  
TACTILE SWITCH  
(through the Lenco Flybridge harness”)

THIS SIDE TO PADDLES

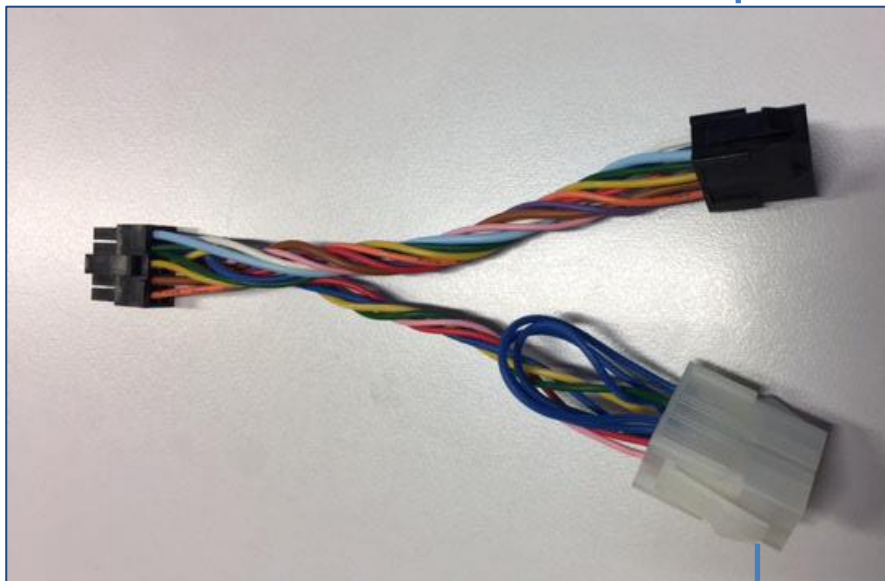


ISOTTA Paddles wires with MOLEX F8

## STEP 2 – FOR OLD Lenco LED SWITCH WITH SEPARATE BLACK BOX

Take item CAB Y PDDL LNC (ISOTTA “Y” cable ) to connect:

- ISOTTA MOLEX F8 with blue and red wires
- Lenco black box
- Lenco L.E.D. Switch



ISOTTA Paddles wires

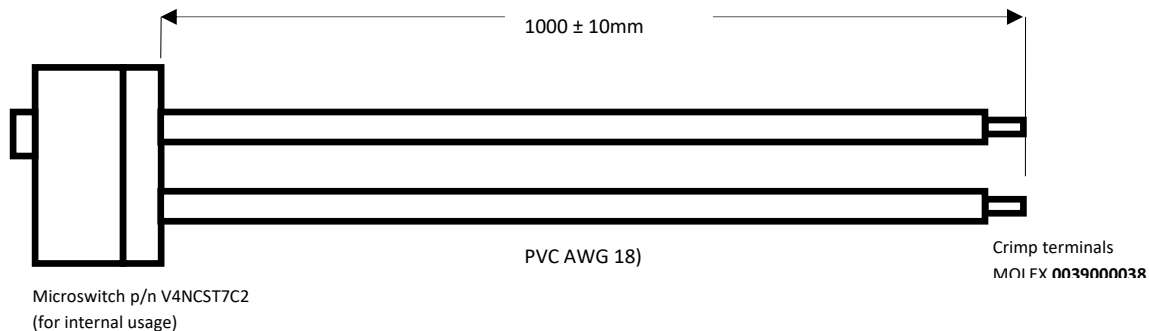
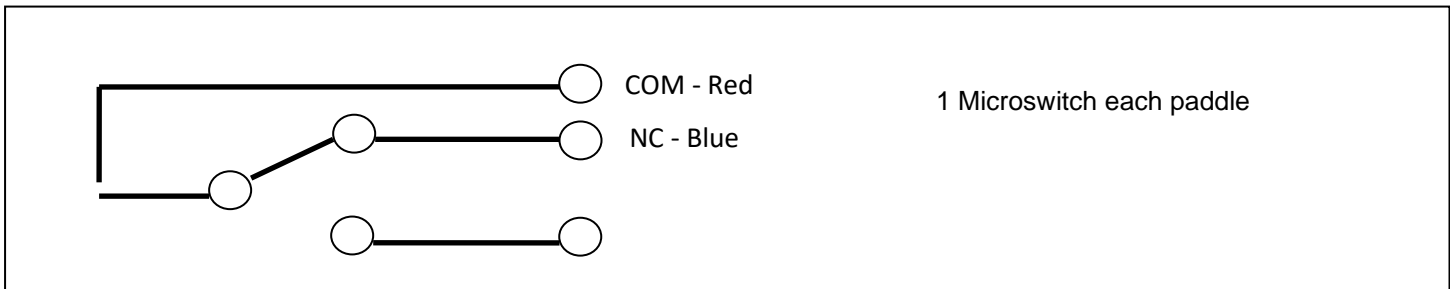
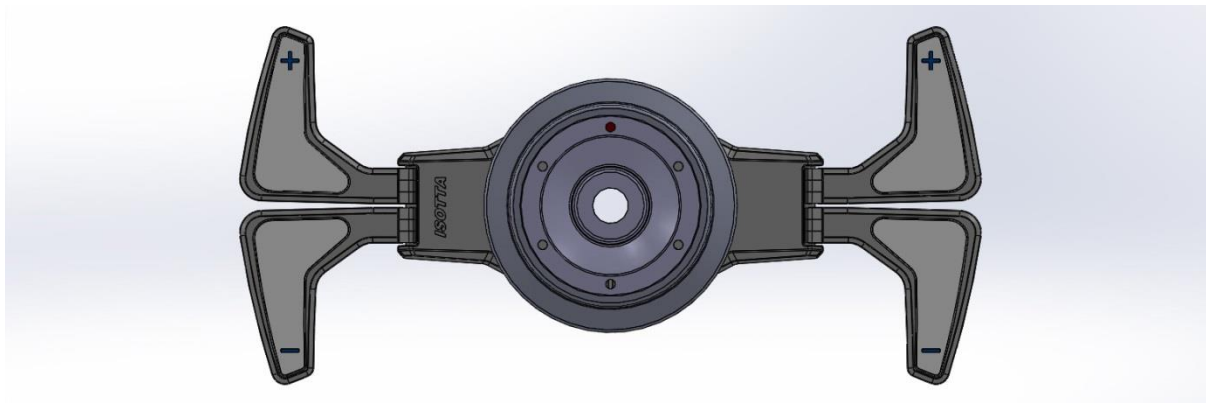


## NOTE

ISOTTA Sport Paddles work in the same way as Lenco L.E.D. Switch:

- **LEFT UPPER PADDLE**      **Bow port down**
- **LEFT LOWER PADDLE**    **Bow port up**
- **RIGHT UPPER PADDLE**    **Bow starboard down**
- **RIGHT LOWER PADDLE**   **Bow starboard up**

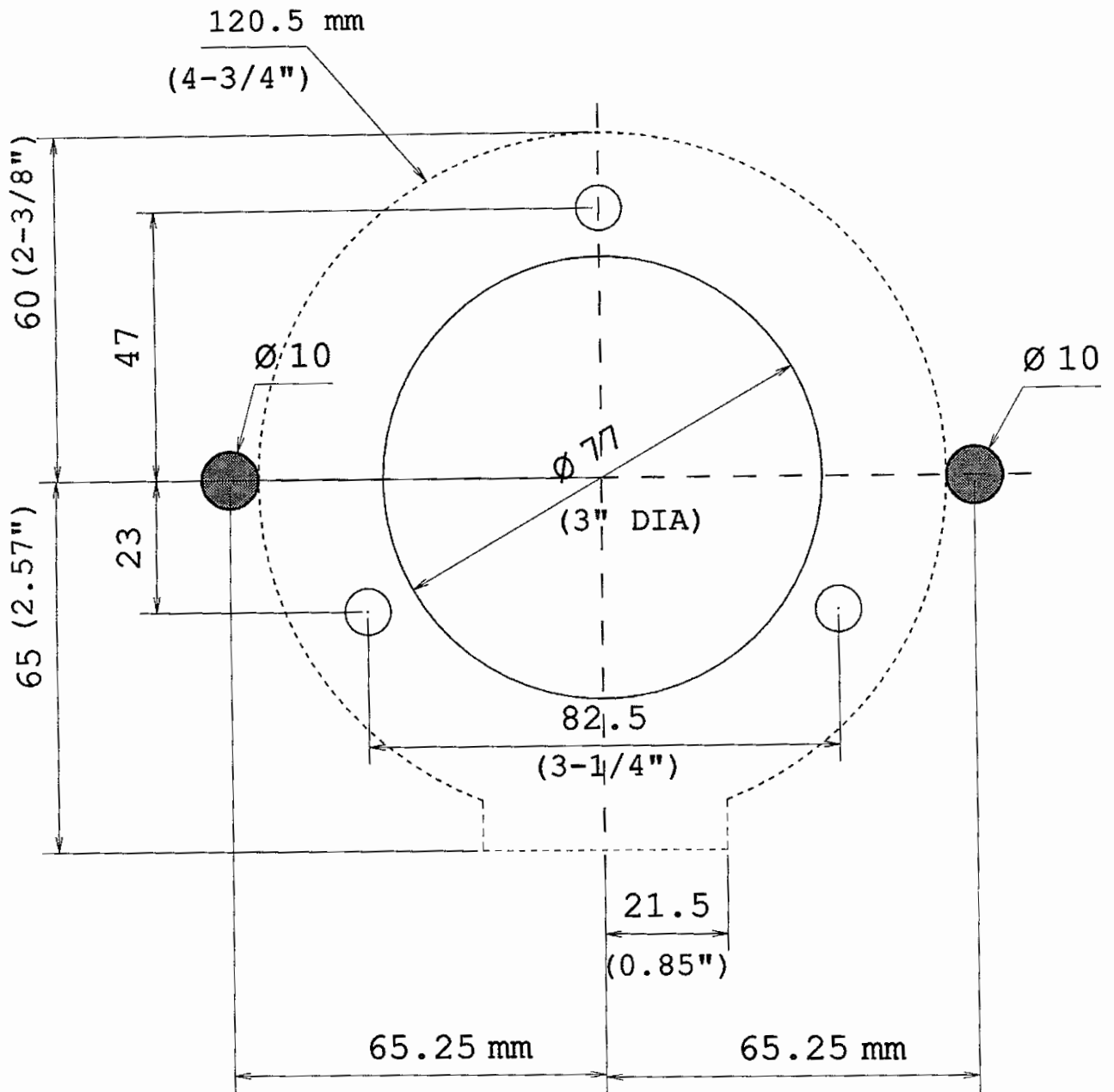
# Microswitches details



## Recommended maximum electrical ratings

Voltage (max)	Resistive load (A)	Motor load (A)	Approval
250 VAC	5	2	General rating (85°C)
0 – 15 VDC	5	3	General rating (85°C)
15 – 30 VDC	5	3	General rating (85°C)

# MOUNTING TEMPLATE



AL NOTE: some helm may have different size. In this case make the 2 holes as close as possible to the base of the helm.