

FOS



FOS 33 IN/OUT FC
FOS 33 END FC



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TECHNICAL SPECIFICATIONS

DTS Product codes:

03.LBB053E11FC10	FOS 33 END FC Narrow lenses Black finishing
03.LBB053E11FC25	FOS 33 END FC Medium flood lenses Black finishing
03.LBB053E11FC40	FOS 33 END FC Wide flood lenses Black finishing
03.LBB050E11FC10	FOS 33 IN/OUT FC Narrow lenses Black finishing
03.LBB050E11FC25	FOS 33 IN/OUT FC Medium flood lenses Black finishing
03.LBB050E11FC40	FOS 33 IN/OUT FC Wide flood lenses Black finishing

LED technology

5 x FULL RGBW LEDs (also available with CT LEDs)

Lumens: 2150 @ 700mA

LEDs average lifespan: 50.000 hours (70% lumen output)

Optics

3 lenses sets available: Narrow, Medium flood, Wide flood

Control

DMX 512 / RDM / Art-Net (DRIVENET 416, 832 or 1664 PSU is required)

Protection

IP65

Construction

Extruded aluminium

Finishing

Black (also available in Silver finishing)

Power supply

DRIVENET 416 or 832 PSU (full-range 100-240Vac 50-60 Hz)

DRIVENET 1664 PSU (range 180-240Vac 50-60 Hz)

Power consumption

50W max

Connections

END version:

30 cm cable with M12 male connector

IN/OUT version:

30 cm cable with M12 male connector (LED IN) + 30 cm cable with M12 female connector (LED OUT)

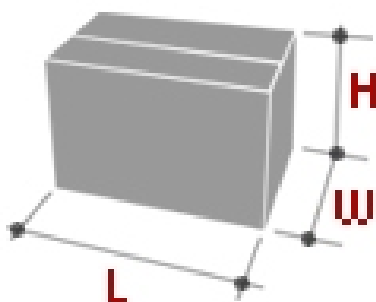
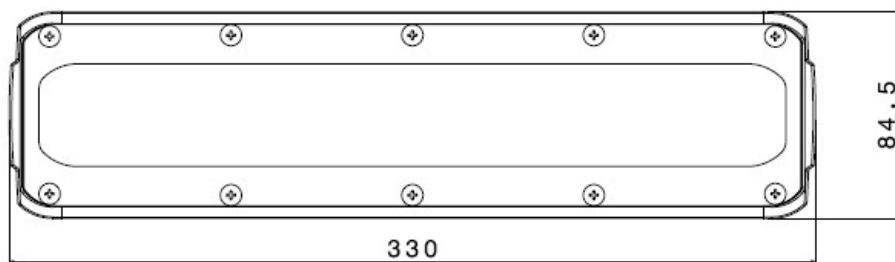
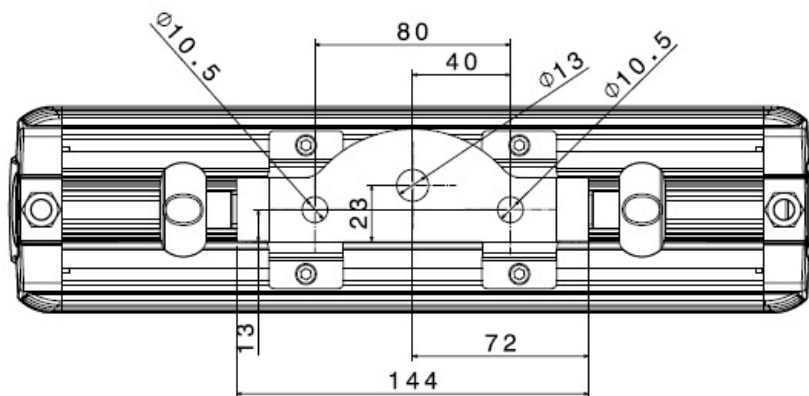
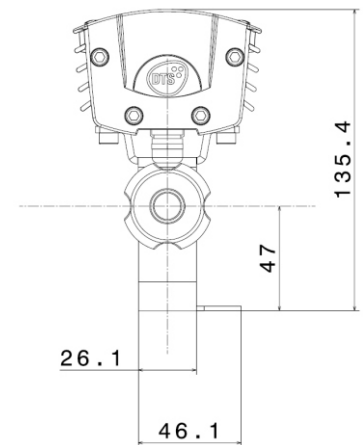
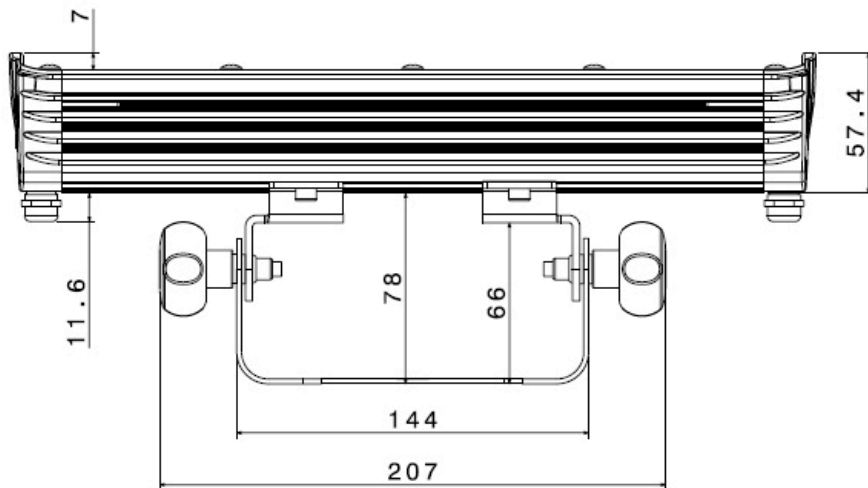
Operating ambient temperature

-10° / 40°

Weight

1,7 Kg

DIMENSIONS



Packaging Dimensions (LxWxH)

370 x 150 x 150 mm

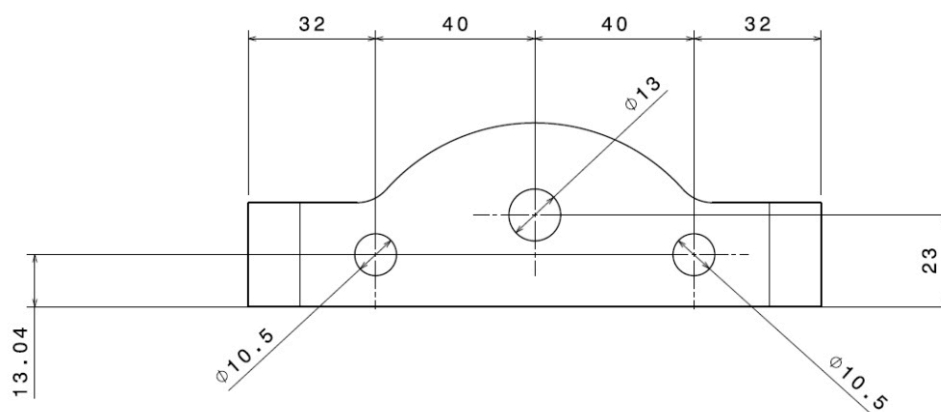
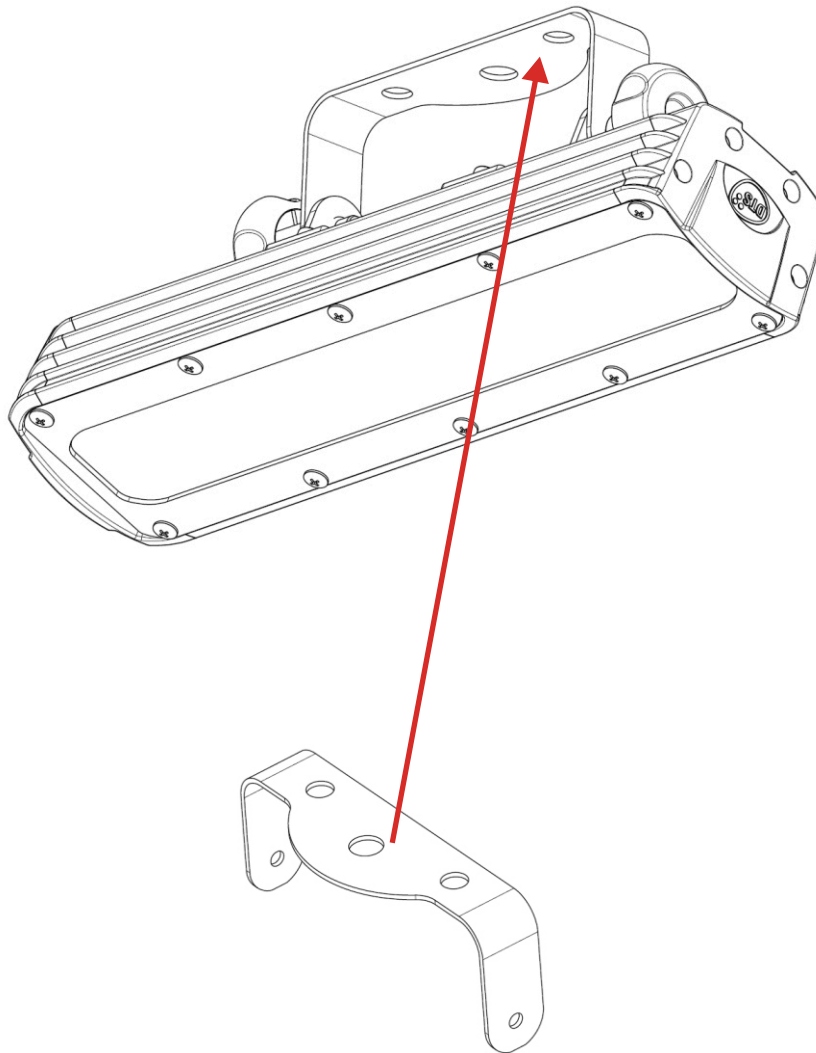
Weight

2,4 Kg

INSTALLATION

The unit is suitable for use in wet locations.

CEILING MOUNTING INSTALLATION:



IMPORTANT SAFETY INFORMATION

Fire prevention:

- It is permissible to place the unit on normally flammable surfaces.
Suitable for mounting on normally flammable materials surfaces greater than 200°C with some combustion time lag.

Prevention of electric shock:

- Class II LED product according to standard EN 60598-1.

Safety:

- Risk group 2 product according to EN 62471.
CAUTION. Do not look directly into the light output. May be harmful to the eyes and skin.
- Do not stare at the operating light source.
- The unit is not for household use and must be installed by a qualified electrician or experienced person.
- In case lenses sets replacement is needed, frontal gasket must be replaced so as to maintain IP 65 rate protection. LEDs are not replaceable.
- The external surface of the unit may exceed 50°C; never handle the unit until at least 5 minutes have elapsed since the unit was turned off.
- Never install the unit in an enclosed area lacking sufficient air flow.
- The ambient temperature should not exceed 40°C.

Level of protection against the penetration of solid and liquid objects:

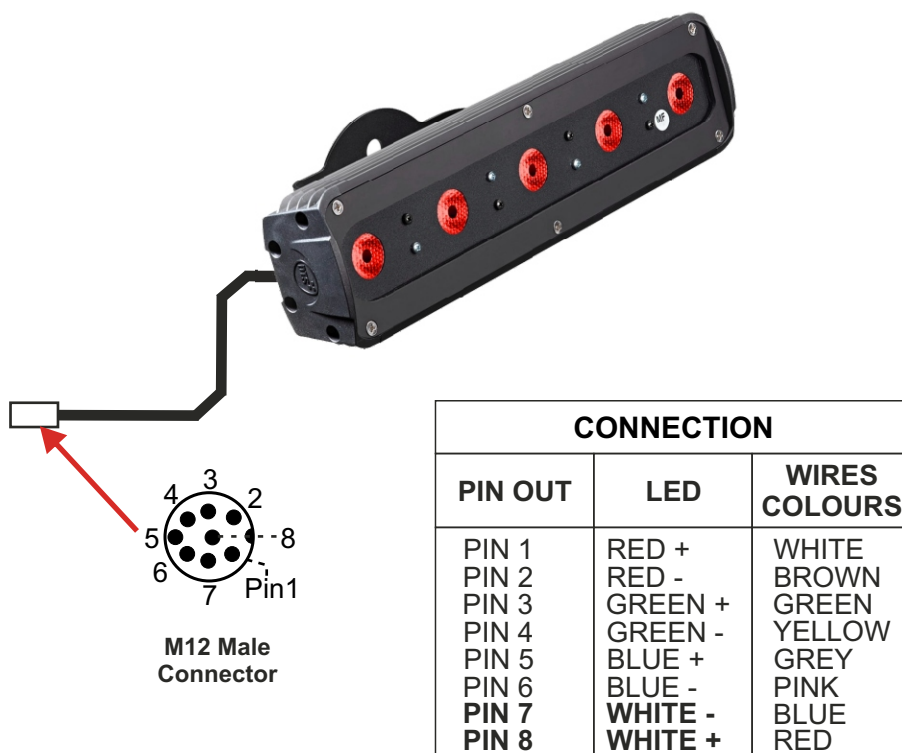
- The projector is classified as an outdoor appliance and its protection level against the penetration of solid and liquid objects is IP65. Suitable for wet locations.

Waste Electrical and Electronic Equipment (WEEE) directive:

- The machine, accessories and packaging should be sorted for environmental-friendly recycling.
For EC countries: according to the European Directive 2012/19/EC for Waste Electrical and Electronic Equipment and its implementation into national right, luminaires that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

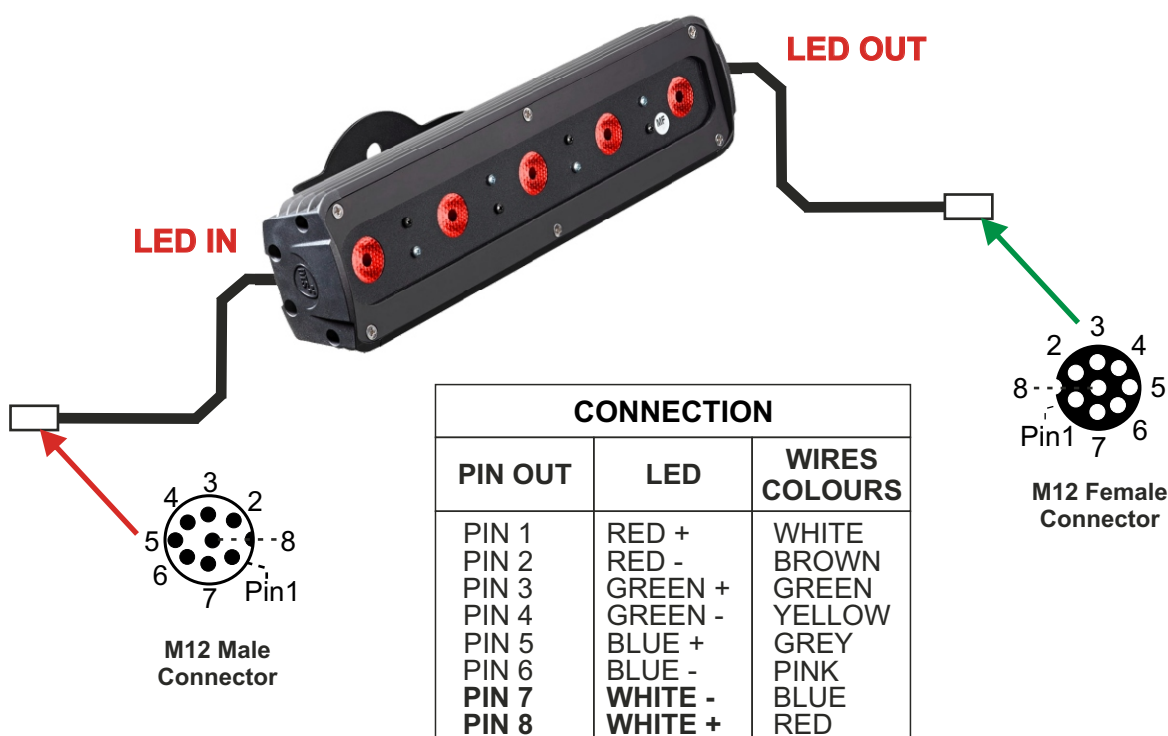
CONNECTIONS

FOS 33 END FC is provided with 30 cm cable with M12 male connector.



The maximum distance between the DRIVENET PSU and the FOS 33 END FC should not exceed 100 meters.

FOS 33 IN/OUT FC is provided with 30 cm cable with M12 male connector (LED IN) + 30 cm cable with M12 female connector (LED OUT).

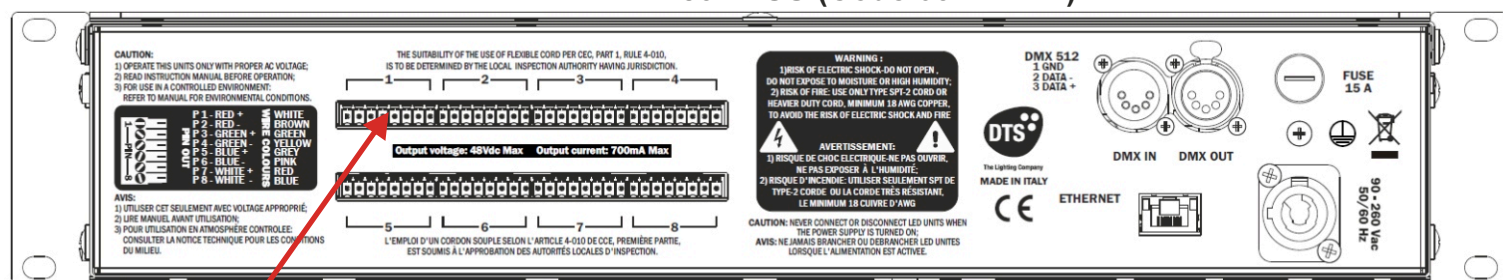


The maximum number of FOS 33 FC connectable to each output of DRIVENET PSU is 3 pcs (2 x FOS 33 IN/OUT + 1 x FOS 33 END).

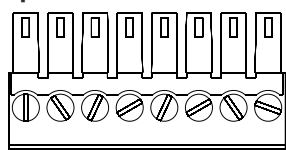
The maximum distance between the DRIVENET PSU and the last FOS unit should not exceed 50 meters.

WIRING DIAGRAMS

DRIVENET 832 PSU (Code 03.LA.177)



8 poles screw terminals



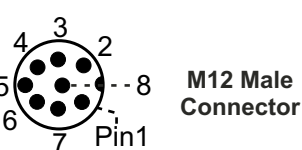
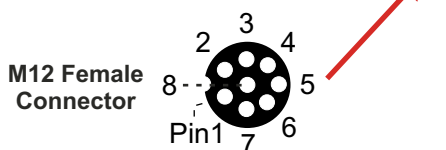
1-----PIN-----8

LEDs OUTPUT 1

1	2	3	4	5	6	7	8
R+	R-	G+	G-	B+	B-	W+	W-

CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE

8 poles to M12 female cable converter



CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE -	BLUE
PIN 8	WHITE +	RED



FOS 33 END FC

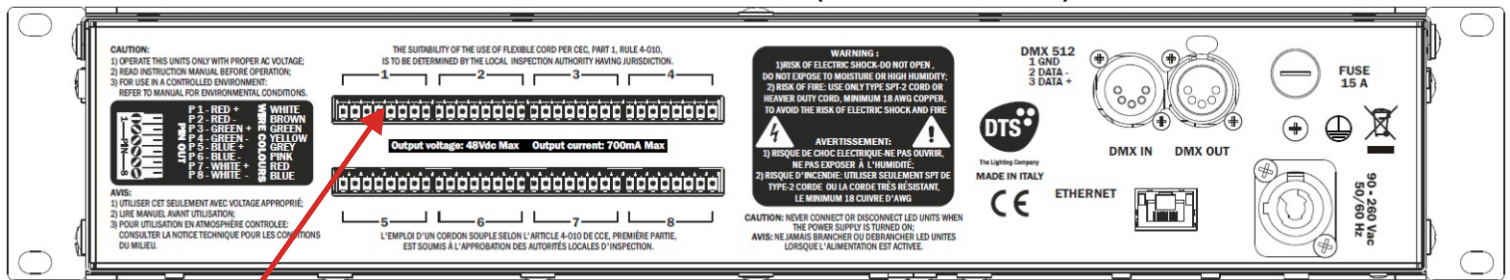
The maximum number of FOS 33 END FC connectable to each output of the DRIVENET 832 PSU is 1 piece.

NEVER CONNECT OR DISCONNECT THE UNIT WHEN THE PSU IS TURNED ON.

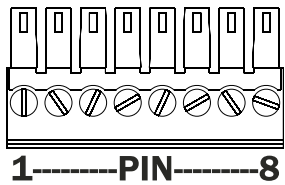
The maximum distance between the DRIVENET PSU and the unit should not exceed 100 meters.

WIRING DIAGRAMS

DRIVENET 832 PSU (Code 03.LA.177)



8 poles screw terminals

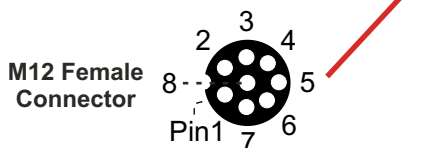


LEDs OUTPUT 1

1	2	3	4	5	6	7	8
R+	R-	G+	G-	B+	B-	W+	W-

CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE

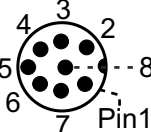
8 poles to M12 female cable converter



CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE -	BLUE
PIN 8	WHITE +	RED

LED IN

M12 Male Connector



FOS 33 IN/OUT 2



LED OUT

FOS 33 IN/OUT 1



LED IN

FOS 33 END



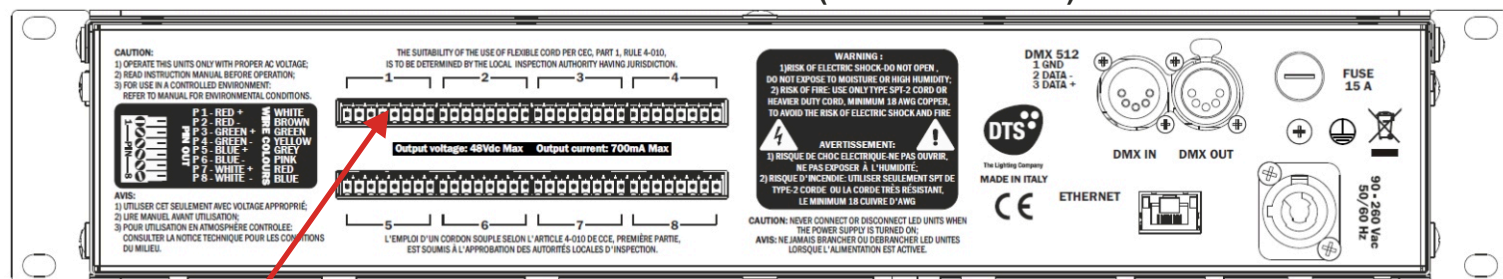
The maximum number of FOS 33 FC connectable to each output of DRIVENET PSU is 3 pcs (2 x FOS 33 IN/OUT + 1 x FOS 33 END).

NEVER CONNECT OR DISCONNECT THE UNIT WHEN THE PSU IS TURNED ON.

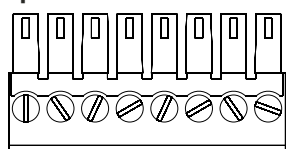
The maximum distance between the DRIVENET PSU and the last FOS unit should not exceed 50 meters.

WIRING DIAGRAMS

DRIVENET 832 PSU (Code 03.LA.177)



8 poles screw terminals



1-----PIN-----8

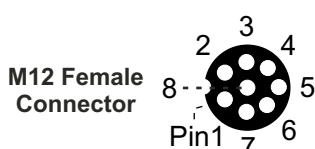
LEDs OUTPUT 1

1	2	3	4	5	6	7	8
R+	R-	G+	G-	B+	B-	W+	W-

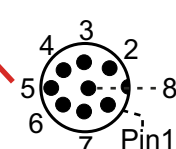
CONNECTION

PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE

8 poles to M12 female cable converter



LED IN



M12 Male Connector

CONNECTION

PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE -	BLUE
PIN 8	WHITE +	RED

FOS 33 IN/OUT 2

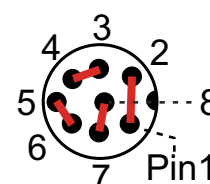
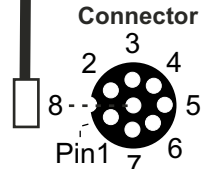


LED OUT

FOS 33 IN/OUT 1



M12 Female Connector



M12 Male Connector TERMINATOR (code 03.LA.027)

If in the LEDs line are inserted only FOS 33 IN-OUT the system will not work till the LEDs line will not be closed on the M12 female connector of the last FOS 33 unit.

To properly close the LEDs line apply a M12 male connector on the LED OUT of the last FOS 33 unit with the following pins in short circuit:

Pin 1 in short circuit with Pin 2;

Pin 3 in short circuit with Pin 4

Pin 5 in short circuit with Pin 6

Pin 7 in short circuit with Pin 8.

M12 Male connector Terminator (code 03.LA.027) is available on demand.

NOTES

PROUDLY
MADE IN ITALY



DTS products are designed
and manufactured at the
DTS plants in Italy



ISO 9001:2008

DTS quality system is certified
to the ISO 9001:2008 standard

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