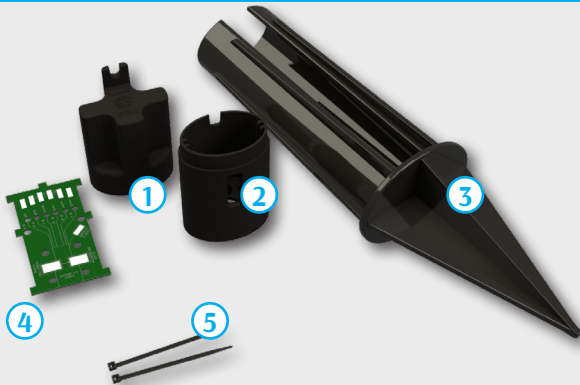




TERMINATION



P/N TBX-SMCP50

DESCRIPTION

Termination case for SISMA CP 50 sensor-string. Supplied with a printed circuit board to simplify the wiring procedures.

PACKAGE CONTENTS

1. n° 1 Case body
 2. n° 1 Case cover
 3. n° 1 Pile shoe
 4. n° 1 Double layer printed circuit board
 5. n° 2 Tie wraps FPM-100
- To seal the junction RP-100 polyurethane resin must be used.

ONE PACKAGE OF RESIN IS USED TO SEAL ONE JBX-SMCP50-ILT CASE.

TO USE WITH CV-SMCP50 CONNECTION CABLE.

IT'S FORBIDDEN TO USE THE OLD TERMINATION CONTAINING THE OLD PCB NAMED CT40100T. YOU MUSTN'T USE THE TBX-SMCP50 TERMINATION TO MAKE INITIAL STRING junctions BUT MUST BE USED ONLY TO MAKE INTERMEDIATE O BYPASS junctions.

PREPARATION

1 PASSING CABLE

Insert the cable in a round hole of the case cover.



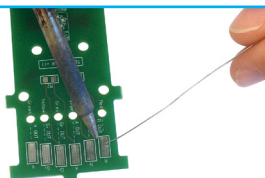
2 PREPARATION CABLE

Strip the cable as shown on the printed circuit board.



3 TINNING

Tin the pads on the printed circuit board.



COMPLIANCE

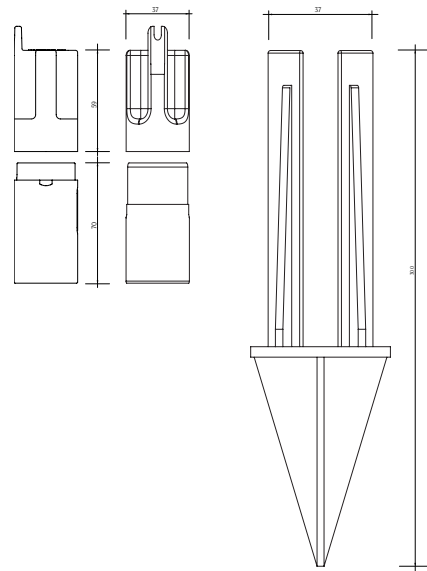
- Directive 2014/30/EU intrinsically benign apparatus



TECHNICAL FEATURES

- DIMENSIONS:**
 - CASE:** 52 x 37 x 133 mm (major axis x minor axis x H)
 - PILE SHOE:** 77 x 65 x 300 mm (major axis x minor axis x H)
- GROSS WEIGHT:** 250 g
- NET WEIGHT:** n.a.
- OPERATING TEMPERATURE:** -40 ÷ +80 °C
- RELATIVE HUMIDITY:** 0 ÷ 100% after sealing with RP-100 resin
- MATERIAL:** glass fiber reinforced polyamide
- COLOUR:** black

DIMENSIONAL SCHEME



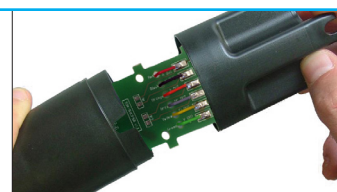
4 FIXING CABLE

Using the tie wraps, fix the cable to the printed circuit board and insert the wires into the holes as shown on the silkscreen. Solder the wires and the shield to the R,N,A,Gr,Gi, V, SHIELD and ANTIRODENT SHIELD pads on the printed circuit board.



5 INSERT CIRCUIT

Insert the printed circuit board into the case body using the proper guides.



6 CLOSING

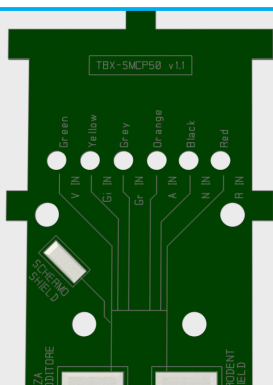
Close the case with its cover.



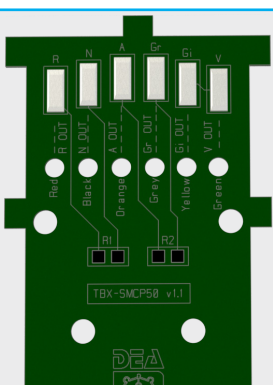


CHECK CONNECTIONS

INPUT (FROM SENSOR)	PCB SILKSCREEN	COLOURS
	R (Red)	RED (RED IN)
	N (Blk)	BLACK (BLACK IN)
	A (Org)	ORANGE (ORANGE IN)
	Gr (Gry)	GREY (GREY IN)
	Gi (Ylw)	YELLOW (YELLOW IN)
	V (Grn)	GREEN (GREEN IN)



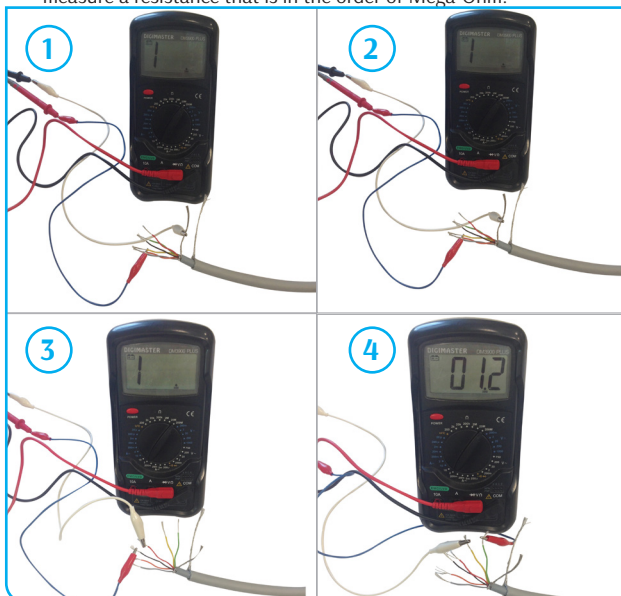
TERMINATION	PCB SILKSCREEN	COLOURS
	R (Red)	RED (RED OUT)
	N (Blk)	BLACK (BLACK OUT)
	A (Org)	ORANGE (ORANGE OUT)
	Gr (Gry)	GREY (GREY OUT)
	Gi (Ylw)	YELLOW (YELLOW OUT)
	V (Grn)	GREEN (GREEN OUT)



PRE-SEALING CHECK

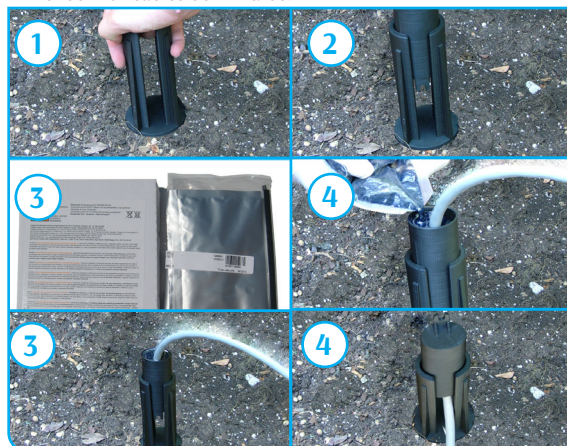
After terminating sensors string and, if necessary, making intermediate junctions (refer to JBX-SMCP50 and TBX-SMCP50 datasheet) you have to check:

1. Anti-Rodent Shield must be insulated from the other wires and shield..
2. Shield must be insulated from the other wires and anti-rodent shield.
3. Red, Black, Orange and Grey wires must be insulated each other.
4. Yellow and Green wires must not be insulated each other. You should measure a resistance that is in the order of Mega-Ohm.

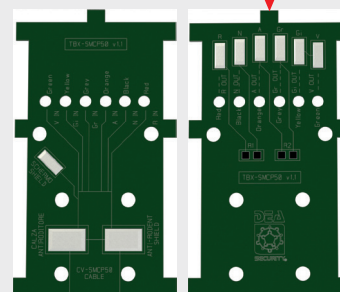
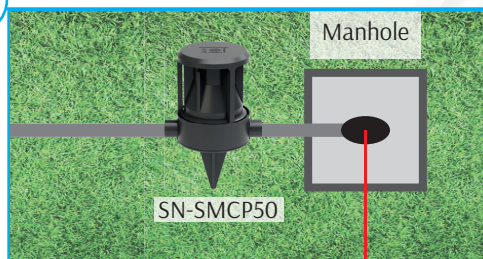


PRE-SEALING

1. Place the pile shoe into the ground in a vertical position.
2. Insert the junction case into the pile shoe with the cables upwards.
3. Prepare the polyurethane resin as shown on its package.
4. Pour the resin inside the case using the cover holes.
5. Wait for the resin polymerization (at least 40 minutes at 5°C or at least 25 minutes at 25°C).
6. Turn the junction case upside down and insert it into the pile shoe with cables downwards.



SCHEMATIC SUMMARY



TBX-SMCP50
termination

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