

STANDARD OF REFERENCE:	EN 60335-1 - EN 50106 2011/65/EU - 2015/863/EU - RoHS3
WORKING ENVIRONMENT:	AIR
MINIMUM WORKING TEMPERATURE:	-40°C
MAXIMUM WORKING TEMPERATURE (SHORT TERM):	+180°C
THEMAL CONTROL / SAFETY THERMOSTAT:	RECOMMENDED
SUPPLY VOLTAGE: AC / DC	To be verified for thermal controls
FREQUENCY:	50/60 Hz (AC)
SUPPLY VOLTAGE TOLERANCE:	±10%

NOTES ONLY FOR UL APPROVED VERSION
 SEDES UL FILE NO.: E234473
 STANDARDS FOR SAFETY: UL 499
 CSA/CSA C22.2 No. 72-10

The suitability of the mounting means, the bonding systems, any thermal controls (regulating and limiting), any temperature sensors, any fittings and accessories provided external to the basic heater construction shall be evaluated by UL in the end use application.

ELEMENT IP DEGREE: **IP64**

- Warning notes:**
- Do not deform/increase the element.
 - Do not alterate the surface by mean of abrasive and/or aggressive chemical substances.
 - Do not bend the electrical connection terminals.
 - Avoid contact of cables with sharp edges.
 - The power cables should not be subjected to bends tighter than 4 x their diameter.
 - Ensure the direction, intensity, fluid contact / body heat exchange.
 - The element must not operate in water or in other liquids.
 - The element is not ATEX approved, so it must not operate in explosive atmosphere.**

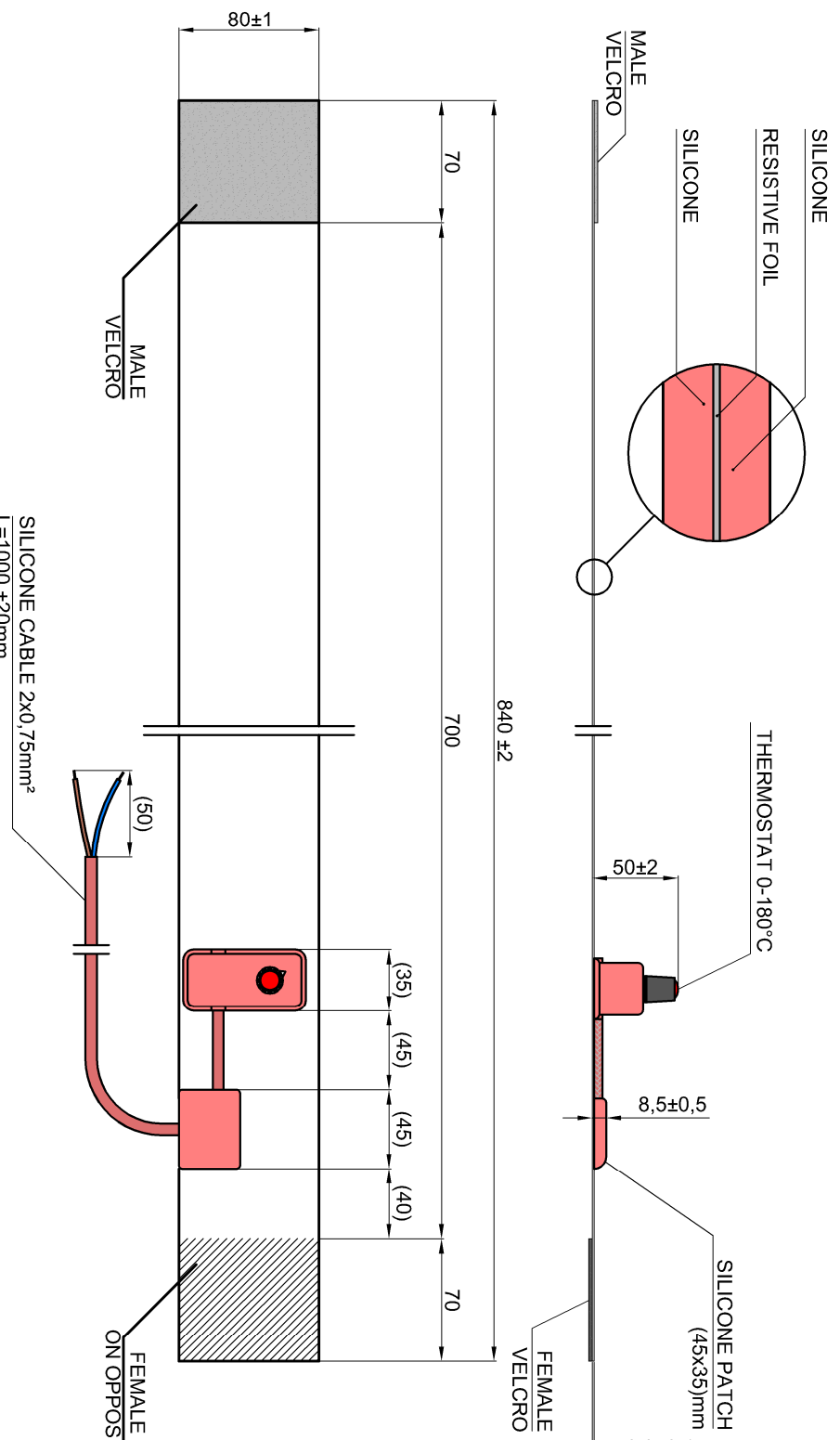
- How to apply adhesive heaters to a surface**
- Application should be made with an ambient temperature between 15 and 30 degrees C and humidity in the range of 30%-70%.
 - The surface must be clean and dry. Clean the surface with clean and soft cloth using a mild solvent compatible with the material (e.g. alcohol). The compatibility between solvent and surface should first be tested on a small area.
 - A pressure of 1-0.15 N/cm² should be used to apply the heater to the surface. Pay attention not to form air bubbles between the heater and the surface.
 - Once the adhesive heaters is applied wait 24 hours for the proper curing of the adhesive.

CUSTOMER APPROVAL

Date: _____

Customer Stamp and Signature of person in charge: _____

The drawing must be verified carefully by the customer in all its parts. Adequate tests have to be carried out by the customer in order to verify the suitability of the product in the final application. In the absence of feedback, the project will be considered as corresponding to the expectations.



01	503020451	503020451	230	400 +5% -10%	0,83															
Pos.	SEDES part no.	CUSTOMER part no.	VOLT	WATT (20°C)	W/cm²															

MARKING: DATE - BATCH NUMBER - SEDES - ITALY - VOLT - WATT - CE

SEDES GROUP	Date	16/04/13	PD	Material	SILICONE RUBBER	Product approval	CE
	Date		Appr.	Customer	LNS	Customer part no.	SEE TAB.

A	DRAWING UPDATE	13/04/23	CDA
Modification	Description	Date	Signatures
SEDES GROUP	ULTRAFLAT HEATING ELEMENT	Drawing no.	SEE TAB.
Applicability		Scale	1:4