Certificado Nº SGI 3198065/11

Certificado Nº SGI 3198065/12

EU DECLARATION OF CONFORMITY
DECLARACIÓN UE DE CONFORMIDAD

The company / *La Empresa*:
BASOR ELECTRIC, S.A.
Address / *Dirección*:
Av. Alcodar, 45-47, 46700. Gandía (VLC), Spain.

Declares that the product:
Declara que el producto:
BASORPLAST BPE

Installed in accordance to the installation standards, manufacturer's instructions and professional rules, duly maintained and used for the applications as intended.
Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.

Complies with the essential requirements of the Council Directives:
Cumple con los requisitos esenciales de las Directivas del Consejo:
2014/35/UE (Low Voltage Directive) / *(Directiva de Baja Tensión)*

Incorporated in the Spanish Legislation in: R.D. 187/2016.
Incorporado en la Legislación Española en: R.D. 187/2016.

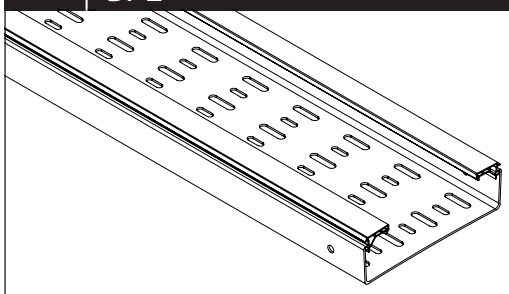
And it is suitable and safe for the intended use and it is in conformity with the following standard:
Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:
UNE-EN IEC 61537

Additional information:
Información adicional:

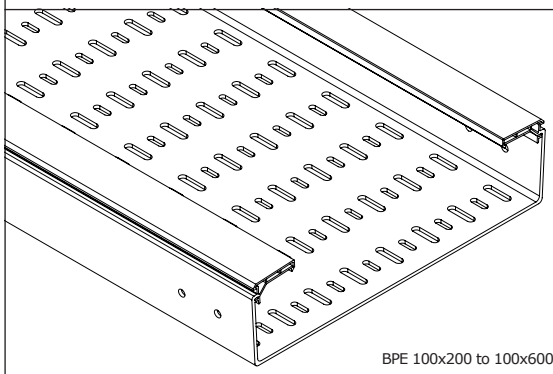
This product is intended to be installed and maintained by skilled persons, it may be used by ordinary persons only as a replacement part, to substitute for an identical device.
Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.

Place and date: *Lugar y fecha:*	
Gandía May 2016 *Gandía Mayo 2016*	Technical department / *Departamento Técnico*

BPE



BPE 60x100 to 60x300



BPE 100x200 to 100x600

Models (HxB):
60x100; 60x150; 60x200; 60x300; 100x200; 100x300; 100x400; 100x600.

Finishes: UVM1 RAL 7035

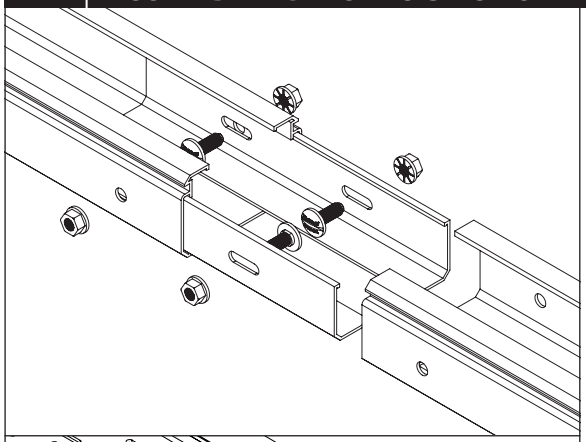
Characteristics of the tray:

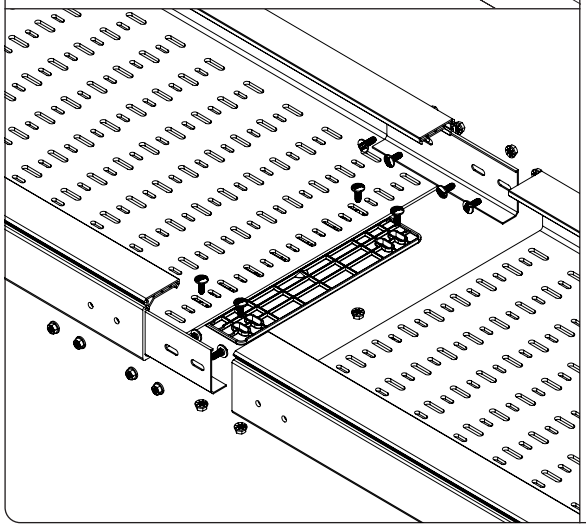
- Non metallic system
- Resistant to UV radiation under UL568 certificate. Excellent behaviour in outdoor installation.
- Impact Strength: 20J, except 60x100 and 60x150 with 10J
- Minimum temperature: -20 ˚C
- Maximum temperature: 60 ˚C
- Non-flame propagating component
- Without electrical continuity
- Electrical insulating component
- Dielectric Strength 18 +/- 2 kV/mm
- Hight protection inside and outside against corrosive substances
- Plastic system resistant to humidity/salty and chemical environments according to DIN 8061 and iISO/TR 10358
- M1 reaction to fire acc. to UNE 23727
- Glow wire test degree 960ºC, UNE-EN 60695-2-11
- Flammability UL 94-VO, ANSI/UL 94-1995
- Limiting Oxigen Index LOI>50%, UNE EN ISO 4589
- Comply with RoHS directive, 2011/65/UE
- Raw material without silicone
- Classification accorting to free base area:
  Non-slotted: Class A
  Slotted:

Base	Class
100	B
150	B
200	B
300	B
400	B
600	B

This technical data sheet issued accordingly to the fulfillment of the product Standard, is itself a necessary analyses of the electric risks according to the low tension Directive 2014/35/UE of February 26th 2014, in effect from May 20th 2016

ASSEMBLING INSTRUCTIONS





- For the assembly, two union joints and four M8 Bolt sets are needed for each stretch (8 for H100 models). For trays with a width ≥ 400 mm it is necessary to use the JUBPE-C base joint to acomplish the requirements of full load transverse arrow indicated by IEC 61537. This union requires 4 screw set CTBP M8 PVC, and it can be placed inside or outside the cable tray.
- For vertical assemblings, both in ascent as in horizontal paths, the fixation of the tray to the support should be done by stainless steel screws (ISO7380-2 M8x30 and DIN6923 M8).
- It is recommended to place the union joint at a distance of L/4 - L/5 of the support PSBPE being L the support spacing.
- Fittings like bends or derivations, shall be installed with an additional support directly to it.
- Tray installation for electrical systems should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays placed on supports shall keep 20 mm gap from the wall to allow cables correct ventilation.
- Suitable for wet, salty and chemical agresive enviroments.
- To assure good performance under expansions , the increase in temperature must be noted, between the installation and the maximum temperature expected. Depending on the expected growth in the temperature (ΔT) leave a gap (h) between cable trays according to the following table :

ΔT (ºC)	h (mm)
20	5
30	7
40	9
50	11

Accessories:

The family has a large range of accessories such as: cover TBPE, clamp BIK10-BPE, separator PSBPE, horizontal bend CPBPE, inside bend CCBPE, outside bend CCXBPE, derivation PDBPE, blind end TFBPE, union joint JUBPE, articulated union joint JUBPE-A, hinge joint JUBPE-B, base union joint JUBPE-C and screw set CTBP M8 PVC.

SAFE WORKING LOAD

Installations up to 40 ºC

	Safe Working Load (kg/m)	
MODEL	1 m Span	1,5 m Span
BPE-60x100	38	24
BPE-60x150	39	25
BPE-60x200	67	38
BPE-60x300	74	45
BPE-100x200	121	77
BPE-100x300	123	84
BPE-100x400	178	102
BPE-100x600	212	121

Installations up to 60 ºC

	Safe Working Load (kg/m)	
MODEL	1 m Span	1,5 m Span
BPE-60x100	28	10
BPE-60x150	30	12
BPE-60x200	36	16
BPE-60x300	40	21
BPE-100x200	62	34
BPE-100x300	75	38
BPE-100x400	88	48
BPE-100x600	108	58

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