# REACTANCIAS PARA LÁMPARAS DE VAPOR DE SODIO DE ALTA PRESIÓN

## BALLASTS FOR HIGH PRESSURE SODIUM VAPOUR LAMPS

35-400W

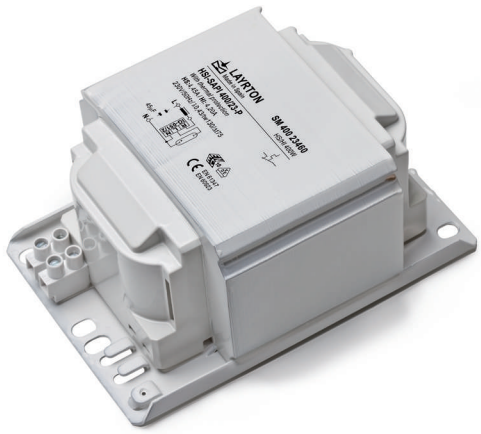
**Normas** · Standards
EN 61347-1
EN 61347-2-9
EN 60923

**Información adicional** · Additional information:

Modelos indicados / Indicated models.
· Sin protección térmica · Para arrancador superposición.
· Without thermal protection · For superimposed ignitor.

Otras versiones disponibles / Other available versions.
· Con protección térmica: añadir **(-P )** al modelo.
· With thermal protection: add **(-P)** to model.
· Para ignitor dependiente: modelo **SAPI-HSI**
· For pulse ignitor: **SAPI-HSI** model.
· Consultar modelos de varias tensiones.
· Consult for multi-voltage models.

**tw=130º**



**66x48 mm (35W- 150W)**

**NUEVO · NEW**

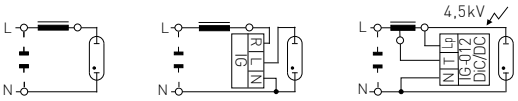
| LÁMPARA LAMP | | REACTANCIA · BALLAST | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | A | Modelo Model | Tipo Type | V/Hz | λ | Δt | Cp µF | Diag. | Cert. Appr. | Dimens. A | Dimens. B | Kg. |
| 35 | 0,53 | HSI-SAPI 35/22 | SM 35 23450 | 220/50 | 0,39 | 50 | 2 | 6 | 1,2,3 | 108 | 83 | 0,930 |
| | | HSI-SAPI 35/23 | SM 35 23450 | 230/50 | 0,38 | 50 | 2 | 6 | 1,2,3 | 108 | 83 | 0,930 |
| | | HSI-SAPI 35/24 | SM 35 23450 | 240/50 | 0,36 | 50 | 2 | 6 | 1,2,3 | 108 | 83 | 0,930 |
| | | HSI-SAPI 35/22/6 | SM 35 20056 | 220/60 | 0,39 | 50 | 2 | 5 | 1,2,3 | 108 | 83 | 0,930 |
| 50 | 0,76 | HSI-SAPI 50/22 | SM 50 23450 | 220/50 | 0,36 | 65 | 1-2 | 9 | 1,2,3 | 108 | 83 | 0,980 |
| | | HSI-SAPI 50/23 | SM 50 23450 | 230/50 | 0,35 | 65 | 1-2 | 9 | 1,2,3 | 108 | 83 | 0,980 |
| | | HSI-SAPI 50/24 | SM 50 23450 | 240/50 | 0,34 | 70 | 1-2 | 9 | 1,2,3 | 108 | 83 | 0,980 |
| | | HSI-SAPI 50/22/6 | SM 50 20056 | 220/60 | 0,36 | 60 | 1-2 | 8 | 1,2,3 | 108 | 83 | 0,980 |
| 70 | 0,98 | HSI-SAPI 70/22 | SM 70 23450 | 220/50 | 0,37 | 70 | 1-2 | 12 | 1,2,3 | 108 | 90 | 1,150 |
| | | HSI-SAPI 70/23 | SM 70 23450 | 230/50 | 0,36 | 70 | 1-2 | 12 | 1,2,3 | 108 | 90 | 1,150 |
| | | HSI-SAPI 70/24 | SM 70 23450 | 240/50 | 0,34 | 70 | 1-2 | 12 | 1,2,3 | 108 | 90 | 1,150 |
| | | HSI-SAPI 70/22/6 | SM 70 20056 | 220/60 | 0,37 | 65 | 1-2 | 10 | 1,2,3 | 108 | 90 | 1,150 |
| 100 | 1,2 | HSI-SAPI 100/22 | SM 100 23450 | 220/50 | 0,45 | 70 | 2 | 13 | 1,2,3 | 117 | 94 | 1,220 |
| | | HSI-SAPI 100/23 | SM 100 23450 | 230/50 | 0,43 | 75 | 2 | 13 | 1,2,3 | 117 | 94 | 1,220 |
| | | HSI-SAPI 100/24 | SM 100 23450 | 240/50 | 0,42 | 75 | 2 | 13 | 1,2,3 | 117 | 94 | 1,220 |
| | | HSI-SAPI 100/22/6 | SM 100 20056 | 220/60 | 0,44 | 65 | 2 | 11 | 1,2,3 | 117 | 94 | 1,220 |
| 150 | 1,8 | HSI-SAPI 150/22/SR | SM 150 23450 | 220/50 | 0,40 | 70 | 2 | 20 | 1,2,3 | 145 | 120 | 1,860 |
| | | HSI-SAPI 150/23/SR | SM 150 23450 | 230/50 | 0,40 | 70 | 2 | 20 | 1,2,3 | 145 | 120 | 1,860 |
| | | HSI-SAPI 150/24/SR | SM 150 23450 | 240/50 | 0,38 | 75 | 2 | 20 | 1,2,3 | 145 | 120 | 1,860 |
| | | HSISAPI 150/22/6-SR | SM 150 20056 | 220/60 | 0,42 | 65 | 2 | 18 | 1,2,3 | 145 | 120 | 1,860 |

| LÁMPARA LAMP | | REACTANCIA · BALLAST | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | A | Modelo Model | Tipo Type | V/Hz | λ | Δt | Diag. | Cp µF | Cert. Appr. | Dimens. A | Dimens. B | Kg. |
| 250 | 3 | HSI-SAPI 25/22 | SM 250 23460 | 220/50 | 0,40 | 70 | 2 | 32 | 1,2,3 | 127 | 113 | 3,100 |
| | | HSI-SAPI 25/23 | SM 250 23460 | 230/50 | 0,40 | 70 | 2 | 32 | 1,2,3 | 127 | 113 | 3,100 |
| | | HSI-SAPI 25/24 | SM 250 23460 | 240/50 | 0,40 | 75 | 2 | 32 | 1,2,3 | 127 | 113 | 3,100 |
| | | HSI-SAPI 25/22/6 | SM 250 20066 | 220/60 | 0,40 | 65 | 2 | 28 | 1,2,3 | 127 | 113 | 3,050 |
| 400 | 4,45 | HSI-SAPI 400/22 | SM 400 23460 | 220/50 | 0,45 | 75 | 2 | 45 | 1,2,3 | 148 | 133 | 4,100 |
| | | HSI-SAPI 400/23 | SM 400 23460 | 230/50 | 0,43 | 75 | 2 | 45 | 1,2,3 | 148 | 133 | 4,100 |
| | | HSI-SAPI 400/24 | SM 400 23460 | 240/50 | 0,42 | 75 | 2 | 45 | 1,2,3 | 148 | 133 | 4,100 |
| | | HSI-SAPI 400/22/6 | SM 400 20067 | 220/60 | 0,37 | 65 | 2 | 45 | 1,2,3 | 148 | 133 | 4,100 |
| 400 | 4,45 | HSI-SAPI 400/22-2 | SM 400 23461 | 220/50 | 0,45 | 70 | 2 | 45 | 1,2,3 | 148 | 133 | 4,100 |
| | | HSI-SAPI 400/23-2 | SM 400 23461 | 230/50 | 0,43 | 70 | 2 | 45 | 1,2,3 | 148 | 133 | 4,100 |
| | | HSI-SAPI 400/24-2 | SM 400 23461 | 240/50 | 0,42 | 75 | 2 | 45 | 1,2,3 | 148 | 133 | 4,100 |

## Certificaciones · Approvals

1 2 3

## Diagramas · Diagrams



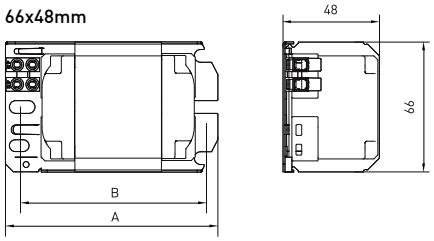

1 2 3

Diagrama 3: para modelos **SAPI-HSI**
Diagram 3: for **SAPI-HSI** models

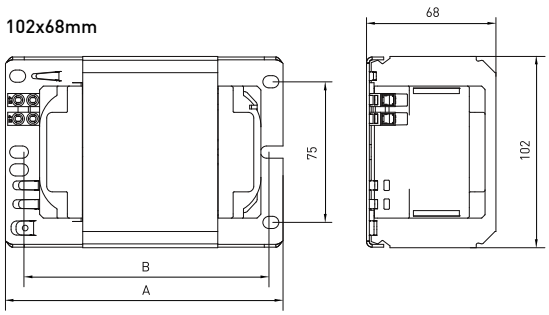
| Sección Section | Conexión Terminal type | Embalaje Packing |
|---|---|---|
| 66x48 mm | ⌀1,5-4 mm² | 8 uds. |
| 102x66 mm | ⌀1,5-4 mm² | 4 uds. |

## Dimensiones · Dimensions

66x48mm




102x68mm

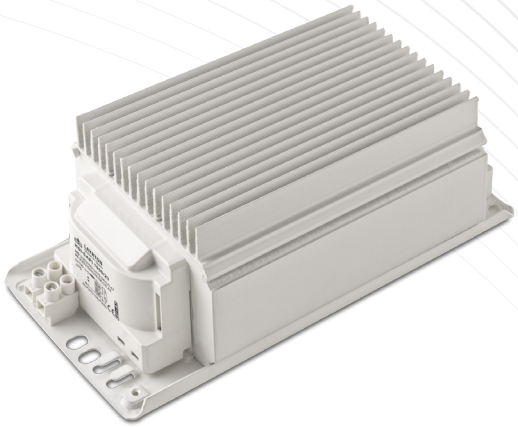


# REACTANCIAS PARA LÁMPARAS DE VAPOR DE SODIO DE ALTA PRESIÓN (HS-HI)

# BALLASTS FOR HIGH PRESSURE SODIUM VAPOUR LAMPS (HS-HI)



Sección / Section: 102x89mm



**Normas / Standards**
EN 61347-1
EN 61347-2-9
EN 60923

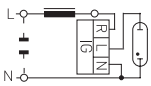
**Información adicional / Additional information**

Modelos indicados / Indicated models
- **HSI (HI)** – Para lámparas de halogenuro metálico
  For metal halide lamps
- **SAPI (HS)** – Para lámparas de vapor de sodio de alta presión
  For high pressure sodium vapour lamps
- Sin protección térmica – Para arrancador superposición
  Without thermal protection – For superimposed ignitor
- Conexión / Terminal type: ø 1,5 – 4mm²
- **tw=130ºC**

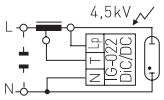
**Otras versiones disponibles / Other available versions**

- Para ignitor dependiente: modelo **SAPI-HSI** (Diag. 2)
  For pulse ignitor: **SAPI-HSI** model (Diag. 2)
- Consultar modelos de varias tensiones / Consult for multi-voltage models

## Diagramas / Diagrams

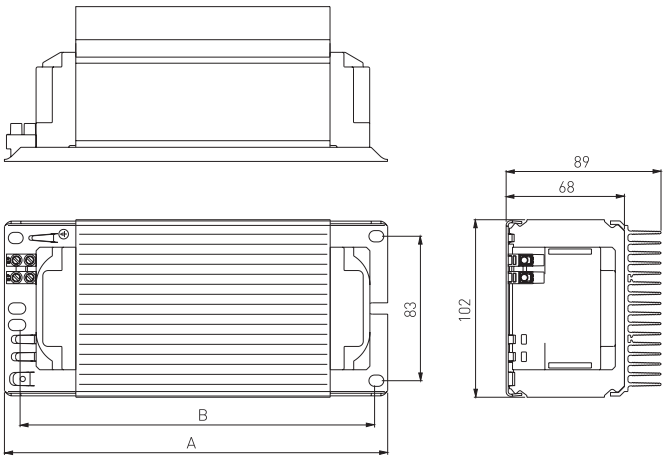



1




2

## Dimensiones / Dimensions




Certificaciones / Approvals [1] [2] [3]

| LÁMPARA / LAMP | | | REACTANCIA / BALLAST | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | A | Tipo Type | Modelo Model | Código Code | V/Hz | λ | Δt | Diag. | Cp (µF) | Cert. Appr. | EEI | Dimens. A | Dimens. B | Kg. | Units |
| 1000 | 10,3 | HI, HS | **HSI-SAPI 1000/22** | 490223000 | 220/50 | 0,45 | 70 | 1 | 100 | 3 | A2 | 220 | 205 | 8,30 | 2 |
| 1000 | 10,3 | HI, HS | **HSI-SAPI 1000/23** | 490233000 | 230/50 | 0,45 | 75 | 1 | 100 | 3 | A2 | 220 | 205 | 8,35 | 2 |
| 1000 | 10,3 | HI, HS | **HSI-SAPI 1000/24** | 490243000 | 240/50 | 0,45 | 75 | 1 | 100 | 3 | A2 | 220 | 205 | 8,45 | 2 |
| 1000 | 10,3 | HI, HS | **HSI-SAPI 1000/22/6** | 490623000 | 220/60 | 0,45 | 70 | 1 | 85 | 3 | A2 | 220 | 205 | 7,95 | 2 |
| 1000 | 10,3 | HI, HS | **SAPI-HSI 1000/22** | 390223000 | 220/50 | 0,50 | 70 | 1, 2 | 85 | 3 | A2 | 220 | 205 | 8,30 | 2 |
| 1000 | 10,3 | HI, HS | **SAPI-HSI 1000/23** | 390233000 | 230/50 | 0,50 | 75 | 1, 2 | 85 | 3 | A2 | 220 | 205 | 8,35 | 2 |
| 1000 | 10,3 | HI, HS | **SAPI-HSI 1000/24** | 390243000 | 240/50 | 0,50 | 75 | 1, 2 | 85 | 3 | A2 | 220 | 205 | 8,45 | 2 |
| 1000 | 10,3 | HI, HS | **SAPI-HSI 1000/22/6** | 390623000 | 220/60 | 0,45 | 75 | 1, 2 | 75 | 3 | A2 | 220 | 205 | 7,95 | 2 |