

# HF-M RED 109 SH TL/PL-S 230-240V

Kod produktu: 58440



## Dane techniczne:

- Line Frequency **50/60 Hz**
- T-case maximum **75 (max) C**
- Full product code **913700422866**
- Full product name **HF-M RED 109 SH TL/PL-S 230-240V**
- Order code **913700422866**
- Order product name **HF-M RED 109 SH TL/PL-S 230-240V**
- Packing configuration **50**
- Pieces per pack **1**
- Bar code on outerbox - EAN3 **8711500931436**
- Bar code on pack - EAN1 **8711500931429**
- Packs per outerbox **50**
- Logistic code(s) - 12NC **913700422866**
- Net weight per piece **0.034 kg**
- Length A1 **80.0 mm**
- CE marking **Yes**
- UL certificate **No**
- Height C1 **22.0 mm**
- T-ambient **-10 (min), 40 (max) C**
- Width B1 **40.0 mm**
- Lifetime 90% surv.@Tcaselife **40000 hr**
- Fixing Hole Diameter D1 **4.4 mm**
- Fixing Hole Distance Length A2 **70.0 mm**
- ENEC certificate **Yes**
- Rated Lamptype **TL/PL-S**
- Line Voltage **230-240 V**
- Rated Ballast-Lamp Power **9**
- Rated Number of Lamps **1 piece**
- Automatic restart **Yes**
- Housing **SH**
- Mains voltage safety (AC) **-10%/+10%**
- Mains voltage performance (AC) **-8%/+6%**
- Power losses gear **1.7 W**
- PowerFactor 100% output power **0.64 -**
- Overvoltage protection 320Vac **0.03 hr**
- Max ballast on MCB(16A type B) **159 x**

- Conn.type input terminals **Insert**
- Conn.type output terminals **Insert**
- Max. cable length Hot Wires **0.30 m**
- Striplength **8.0-9.0 mm**
- Wcs Input terminals **0.50-1.50 mm<sup>2</sup>**
- Wcs Output terminals **0.50-1.50 mm<sup>2</sup>**
- F-marking **Yes**
- CB Certificate **Yes**
- Battery voltage lamp ignition **194-254 V**
- VDE certificate **No**
- Maximum ignition time **0.45 (max) s**
- Color input terminals **Black**
- Color output terminals **Grey**
- Max. cable length Device/Lamp **1.50 m**
- Power Loss on PL-S **1.7**
- Rated Lamp Power on PL-S **9**
- System Power on PL-S **8.2**
- Lamp Power on PL-S **6.5**
- Lamp Power on TL **5.3**
- Power Loss on TL **1.7**
- Rated Lamp Power on TL **9**
- System Power on TL **7**
- Fixing Hole Distance Height C2 **10.0 mm**

HF-Matchbox Red is an affordable, reliable, compact, lightweight and high-frequency ballast for use with system wattages below 25 W in combination with TL mini, TL-D, TL5 and TL5c, PL-T/C, and PL-L/S lamps. The HF-M Red range has a robust design, meets all relevant international safety and performance standards and has an energy efficiency index (CELMA EEI ) of A2.

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## Features

Over 60,000 on/off switches on one lamp (depending on lamp/ballast combination)  
Suitable for emergency DC operation between 190 and 254 V  
Programmed, flicker-free, pre-heated start (

## Applications

Used with movement-detection control systems like Philips OccuPlus  
Mainly for indoor applications such as spotlights, downlights, light boxes, and emergency and security fixtures used largely in retail stores, office buildings, hotels, private homes and residential buildings  
Domestic applications such as outdoor garden lighting, garage areas, stairways

