



# **HF-Matchbox Blue**

## HF-M BLUE 109 LH TL/PL-S 230-240V

HF-Matchbox Blue 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 Blue range has a robust design, meets all relevant international safety and performance standards and has an energy efficiency index (CELMA EEI) of A2.

#### **Product data**

General Information	
Lamp type	TL/PL-S
Number of lamps	1 piece/unit
Number of products on MCB (16 A type B)	159
(nom.)	
Automatic restart	Yes
Operating and Electrical	
Input voltage	230 to 240 V
Input frequency	50 to 60 Hz
Power factor 100% load (nom.)	0.64
Ignition time (max.)	0.5 s
Mains voltage performance (AC)	-8%-+6%
Mains voltage safety (AC)	-10%-+10%
Power losses (nom.)	1.7 W
Wiring	
Connector type input terminals	Insert
Colour input terminals	Blue
Colour output terminals	Grey
Connector type output terminals	Insert
Cable length from device to lamp	1.50 m

Cable length hot-wiring	0.30 m	
Wire strip length	8.0-9.0 mm	
Input terminal cross section	0.50-1.50 mm²	
Output terminal cross section	0.50-1.50 mm²	
System characteristics		
Rated ballast-lamp power	9 W	
System power on PL-S	9.5 W	
Rated lamp power on PL-S	9 W	
Power loss on PL-S	1.7 W	
Lamp power on PL-S	7.8 W	
Lamp power on TL	8.2 W	
Rated lamp power on TL	9 W	
System power on TL	10.1 W	
Temperature		
T ambient (max.)	40 °C	
T ambient (min.)	-10 °C	
T-Case maximum (max.)	75 °C	

Datasheet, 2020, March 19 data subject to change

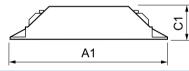
## **HF-Matchbox Blue**

Mechanical and Housing	
Housing	LH
<b>Emergency Operation</b>	
Battery voltage lamp ignition	194-254 V
Approval and Application	
IP classification	IP 20 [ Ingress Protection 20]
Approval marks	F-Marking CE marking VDE certificate
	CB Certificate
Product Data	
Full product code	871150053680830

Order product name	HF-M BLUE 109 LH TL/PL-S 230-240V
EAN/UPC – product	8711500536808
Order code	53680830
Local Code	HFMBLUE109LH
Numerator – quantity per pack	1
Numerator – packs per outer box	50
Material no. (12NC)	913700421366
Net weight (piece)	0.036 kg

### Dimensional drawing





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#### Product

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