



# **HF-Matchbox Red**

# HF-M RED 114 SH TL/TL5 230-240V

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.

#### **Product data**

General Information				
Lamp type	TL/TL5/PL-C/S			
Number of lamps	1 piece/unit			
Number of products on MCB (16 A type B)	101			
(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.)	1.55 s			
Mains voltage performance (AC)	-8%-+6%			
Mains voltage safety (AC)	-10%-+10%			
Power losses (nom.)	2.9 W			
Wiring				
Connector type input terminals	Insert			
Colour input terminals	Blue			
Colour output terminals	Grey			
Connector type output terminals	Insert			
Cable length hot-wiring	0.75 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	14 W		
Rated lamp power on TL5	14 W		
System power on TL5	16 W		
Lamp power on TL5	13.1 W		
Power loss on TL5	2.9 W		
System power on PL-C	10.6 W		
Rated lamp power on PL-C	14 W		
Power loss on PL-C	1.7 W		
Lamp power on PL-C	8.9 W		
Temperature			
T ambient (max.)	50 °C		
T ambient (min.)	-25 °C		
T-Case maximum (max.)	80 °C		

Datasheet, 2018, August 17 data subject to change

## **HF-Matchbox Red**

Mechanical and Housing			
Housing	SH		
Emergency Operation			
Battery voltage lamp ignition	190-254 V		
Approval and Application			
classification	IP 20 [ Ingress Protection 20]		
Approval marks	CE marking ENEC certificate		
Product Data			
Full product code	871150093140530		

Order product name	HF-M RED 114 SH TL/TL5/PL-C/S		
	230-240V		
EAN/UPC – product	8711500931405		
Order code	93140530		
Local Code	HFMRED114SH		
Numerator – quantity per pack	1		
Numerator – packs per outer box	50		
Material no. (12NC)	913700423266		
Net weight (piece)	0.034 kg		

### Dimensional drawing

Δ2

Product	D1	C1	C2	A1	A2	B1
HF-M RED 114 SH	4.2 mm	22.0	10.0	80.0	70.0	40.0
TL/TL5/PL-C/S		mm	mm	mm	mm	mm
230-240V						

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