



# 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) (nom.)	101
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
Efficiency at full load [%]	83.7 %
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 mm <sup>2</sup>
Output terminal cross section	0.50-1.50 mm <sup>2</sup>

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

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## Mechanical and Housing

Housing SH

## Emergency Operation

Battery voltage lamp ignition 190-254 V

## Approval and Application

IP 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

SAP numerator – quantity per pack 1

Numerator – packs per outer box 50

SAP material 913700423266

SAP net weight (piece) 0.034 kg

## Dimensional drawing

A2

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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