



# HF-Matchbox Red

## HF-M RED 109 SH TL/PL-S 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. The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum Classland need to be sufficiently protected against water & dust. The installation should also be guard against any lightning surge or any other necessary electrical protection as deemed in such typical installation & application.

### Product data

General Information	
Number of Lamps	1 piece/unit
Operating and Electrical	
Input Voltage	230 to 240 V
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Number of Products on MCB (16A Type B) (Nom)	159
Wiring	
Connector Type Input Terminals	Insert
Color Input Terminals	Black
Color Output Terminals	Grey
Connector Type Output Terminals	Insert
Cable Length From Device to Lamp	1.50 m

Temperature	
Ambient temperature range	-10 °C to 40 °C
T-Case Maximum (Max)	75 °C
Mechanical and Housing	
Housing	SH
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Approval Marks	F-Marking CE marking ENEC certificate CB Certificate
Product Data	
Full product code	871150093142930
Order product name	HF-M RED 109 SH TL/PL-S 230-240V
Order code	913700422866
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	50

## HF-Matchbox Red

Material number (12NC)	913700422866
Full product name	HF-M RED 109 SH TL/PL-S 230-240V
EAN/UPC - Case	8711500931436



### Dimensional drawing

Dimensional drawing of the product is not available.

Product	D1	C1	C2	A1	A2	B1
HF-M RED 109 SH TL/PL-S 230-240V	4.4 mm	22.0 mm	10.0 mm	80.0 mm	70.0 mm	40.0 mm

