



HF-Matchbox Red

HF-M RED 118 SH PL-C/PL-T 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 lightening surge or any other necessary electrical protection as deemed in such typical installation & application.

Product data

General Information	
Lamp Type	PL-C/PL-T
Number of Lamps	1 piece/unit
Number of Products on MCB (16A Type B) (Nom)	73
Automatic Restart	Yes
Operating and Electrical	
Input Voltage	230 to 240 V
Input Frequency	50 to 60 Hz
Power Factor 100% Load (Nom)	0.62
Ignition Time (Max)	0.45 s
Mains Voltage Performance (AC)	-8%~+6%
Mains Voltage Safety (AC)	-10%~+10%
Power Losses (Nom)	2.0-2.1 W
Efficiency at full load [%]	88.33 %

Wiring	
Connector Type Input Terminals	Insert
Color Input Terminals	Orange
Color 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 Striplength	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	18 W
Rated Lamp Power on PL-T	18 W
System Power on PL-T	17.3 W
Power Loss on PL-T	2.1 W
Lamp Power on PL-T	15.2 W
System Power on PL-C	17.9 W

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Rated Lamp Power on PL-C	18 W
Power Loss on PL-C	2 W
Lamp Power on PL-C	15.9 W
Temperature	
T-Ambient (Max)	40 °C
T-Ambient (Min)	-10 °C
T-Case Maximum (Max)	75 °C
Mechanical and Housing	
Housing	SH
Emergency Operation	
Battery Voltage Lamp Ignition	194-254 V
Approval and Application	
IP Classification	IP 20 [Ingress Protection 20]

Dimensional drawing

A2	

Approval Marks	F-Marking CE marking ENEC certificate CB Certificate
Product Data	
Full product code	871150092802330
Order product name	HF-M RED 118 SH PL-C/PL-T 230-240V
EAN/UPC - Product	8711500928023
Order code	913700423466
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	50
Material Nr. (12NC)	913700423466
Net Weight (Piece)	0.034 kg

Product	D1	C1	C2	A1	A2	B1
HF-M RED 118 SH PL-	4.4 mm	22.0	10.0	80.0	70.0	40.0
C/PL-T 230-240V		mm	mm	mm	mm	mm

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