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.;The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum ClassIand 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	TL/PL-S
Number of Lamps	1 piece/unit
Number of Products on MCB (16A Type B) (Nom)	159
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

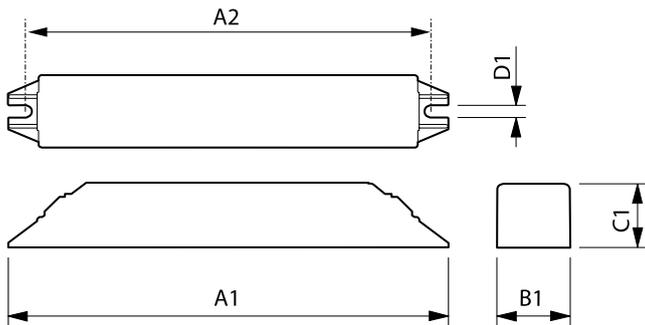|	
Color Input Terminals	Blue
Color Output Terminals	Grey
Connector Type Output Terminals	Insert
Cable Length From Device to Lamp	1.50 m
Cable Length Hot Wiring	0.30 m
Wire Striplength	8.0-9.0 mm
Input Terminal Cross Section	0.50-1.50 mm²
Output Terminal Cross Section	0.50-1.50 mm²

System characteristics

Rated Ballast-Lamp Power	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

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System Power on TL	10.1 W

Temperature

T–Ambient (Max)	40 ℃
T–Ambient (Min)	–10 ℃
T–Case Maximum (Max)	75 ℃

Mechanical and Housing

Housing	LH

Emergency Operation

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	913700421366
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	50
Material Nr. (12NC)	913700421366
Net Weight (Piece)	0.036 kg

Dimensional drawing

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

Product	A1	A2	B1	C1	D1
HF-M BLUE 109 LH TL/PL-S 230-240V	144 mm	133 mm	22 mm	22 mm	4.2 mm