PHILIPS

Lighting

Xitanium LED downlight and spotlight drivers

Xitanium 50W SH 0.3-1A 62V I 230V

Xitanium LED drivers are leading the way in terms of reliability

Product data

General Information	
Lighting Technology	LED

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Total Harmonic Distortion IEC (Max)	20 %
Power Consumption	50 W
Output Current Ripple (Max)	20 %
Maximum Efficiency at Full Load	90 %
Output Current (Max)	1000 mA
Output Current (Nom)	650 mA
Output Current Tolerance (Max)	5 %
Output Current Tolerance (Min)	-5 %
Earth Leakage Current (Max)	0.7 mA
Open Circuit Voltage (DC) (Max)	75 V
Input Current (Nom)	270 mA
Inrush Current Peak (Max)	20 A
Output Power (Max)	50 W
Output Power (Nom)	32 W
Default output current	300-1000 mA

Inrush Current Width to 50% of Peak	275 µs
Energy Metering	No
Constant Current (CC)	True
Constant Voltage (CV)	False
Diagnostics	False
Output Current (Min)	300 mA
Output Voltage (Max)	62 V
Output Voltage (Min)	31 V
Number of Products on MCB (16A Type B) (Max)	26

Wiring	
Connector Type Input Terminals	Wago 804
Hot Wiring	Yes
Connector Type Output Terminals	JST PA with lock B07B-PASK-1 [Regular Fortimo LED DLM cables (25 + 60 cm) with JST-connector]
Output Wire Cross Section (Max)	0.33 mm²
Output Wire Cross Section (Min)	0.08 mm²
Cable Length From Device to Lamp	0.6 m
Input wire strip length	10 mm to 11 mm

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Input Wire Cross Section (Max)	2.5 mm²
Input Wire Cross Section (Min)	0.5 mm²
Output wire strip length	10 mm to 11 mm

Temperature

Ambient temperature range	-20 °C to 50 °C
T-Case Lifetime (Nom)	65 °C
T-Case Maximum (Max)	75 °C
Maximum case temperature (in case of failure)	110 °C

Controls and Dimming

Control Interface	None
Dimming Range	100-0 %

Mechanical and Housing

Housing	SH-I

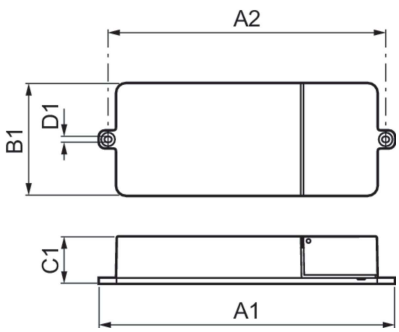
Approval and Application

Ingress protection code	IP20 [Finger-protected]
Surge Protection (Common/Differential)	EN61547 (L-L 1kV, L-G 2kV) kV
Relative Humidity (Operation) (Max)	90 %
Isolation Classification	Class II
Short Circuit Protection	Protected
Over Power Protection	Protected
Open Circuit Protection	Protected
Approval Marks	CE marking SELV ENEC certificate
Corridor Mode	False
Output Current Set Options	Rset2

Product Data

Order product name	Xitanium 50W SH 0.3-1A 62V I 230V
Full product name	Xitanium 50W SH 0.3-1A 62V I 230V
Full product code	871829167621800
Order code	929000853703
Material Nr. (12NC)	929000853703
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291676218
Numerator - Packs per outer box	6
EAN/UPC - Case	8718291676225

Dimensional drawing



Product	D1	A2	C1	A1	B1
Xitanium 50W SH 0.3-1A 62V I 230V	4.1 mm	206.0 mm	35.0 mm	219.0 mm	83 mm

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