

DAS400V20A

DC Arc-less Socket



DC arc-less socket is a connector for distributing DC power for indoor applications. It includes a socket outlet which is integrated with the panel and a PCBA for electric arc prevention.

The socket outlet matches with DC plugs stated in IEC TS 62735-1 and supports hot-plug operation under DC load up to 400V/20A.

Arc-less Disconnect

An electromechanical sensor monitors plug-in/out, and a semiconductor switch breaks the load current without electric arc.

Zero Standby Power

Our DC socket uses less than 0.3W operational power and no standby power consumption.

BLE/ WIFI Reporting

DC voltage and current are sensed and reported via BLE/ WIFI, facilitating real-time power usage monitoring.

Product Specification

Technical	
Nominal Voltage	375V DC
Voltage Range	50 – 400V DC
Current Range	0 – 20A
Nominal Current	20A
No. of Pins	3 (Positive, Negative, Earth)
Protection	Short Circuit, Thermal Trip, OVP, UVP
Electrical Service Life (400V/10A hot plug)	12,000 cycles
General	
Power Loss (unplug/plug-in)	0 / 0.25W
Storage Temperature	-20 to 70°C
Cooling	Natural Cooling
Operating Environment	0 – 40°C / 0 – 95% RH non-condensing. Current linear derated from 20A @40°C to 15A @50°C to 10A @60°C
Dimension (cm)	8.6(w) x 8.6(h) x 4.5(l)
Weight	105g
Communication	Wi-Fi, BLE
Installation	M3.5 Screw *2
Installation Position	Vertical
Colour	Light Grey, Black, Customise*

*The colour of our DC arc-less socket is customisable