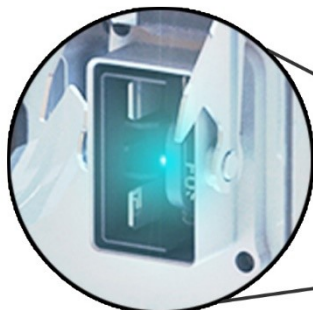




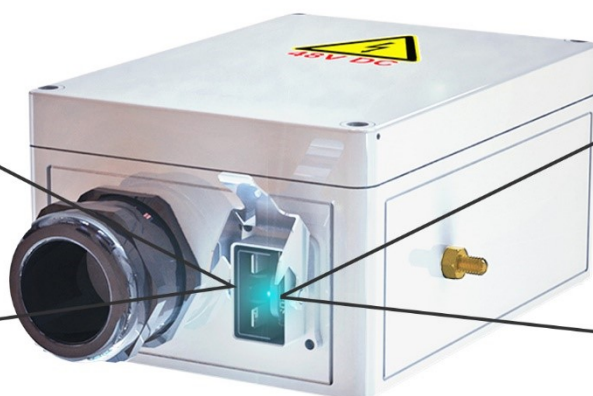
Product specification

ZonaEQ - DC distribution box – single output

Bastion



LED Power Indicator



Bastion



Independent 40A Fuse

Description

Series A of ZonaEQ - a pre-assembled outdoor DC distribution enclosure with gland cable input and 40A connectorized single output. Series A features the Bastion power connector with built-in 40A fuse and LED power indicator

Specification

General		
Input Connectors		M40 x 1.5mm Cable gland
Output connectors	Series A	1 x 2 pin Bastion connector
	Series B	1 x 2 pin EKKO connector
Rated current		40A
IP rating		IP67 minimum
Operating temperature		-40 °C to +80 °C
Enclosure		
Electrical characteristics		
Protection type UL		4X
Rated insulation voltage AC		690V
Rated insulation voltage DC		1000V
Type of protection		IP68
Protection class		II
Material characteristics		
suitable for exterior use		Yes
Burning behaviour in accordance with UL 94		V2
Burning behaviour in accordance with VDE		850 °C
Halogen free		Yes
UV protection		Yes
Material	Base	polycarbonate, grey

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Product specification

ZonaEQ - DC distribution box – single output

Cover	glass fibre reinforced polycarbonate, grey
Sealing	Polyurethane
Cover screw	Polyamide, glass-fibre reinforced
Mounting bracket	Stainless steel, zinc plated
Mechanical properties	
Size	180x130x90mm
Type of fastening	Wall, pole, bracket mount
Cover screw torque	1.2Nm
Impact strength	IK08
Other	
Operating temperature	-40 °C to +80 °C
Certificates	c UL us, DNVGL, DLG confirmed ammonia resistance in accordance with DLG test directive, UL UL 50 CSA 22.2 No. 94.1-07, UL 50E CSA C22.2 No. 94.2-07
Connectors	
Input Connection	
Cable gland	M40x1.5mm, cable OD up to 32mm, IP68, Black Polyamide (PA)
Number of glands	1
Connector location	Bottom of the enclosure
Operating temperature	-40 ... +125 °C
Internal connection blocks	
Overview / size	
Mounting	DIN rail
Conductor cross section	2.5 – 50mm ² (14 – 0 AWG) Cu
Number of poles	1
Number of connection points	2
Line direction	Side inlet
Strip length	16mm
Pollution degree	3
Insulation material group	I
Rated surge voltage	8kV
Rated voltage	800V
Nominal current	160A
Screw	Hexagon or Philips ¹ 5mm
Screw tightening torque	4Nm
Insulation material	Polyamide PA66
Flame-retarded Rating	UL94 V-0
Mounting	DIN rail
Colour	Grey, Blue or Yellow/Green
Length	49
Width	17.7
Height	43
Operating temperature	-40 to +105°C
Standard	EN61238-1, EN60947-7-2

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Product specification

ZonaEQ - DC distribution box – single output

Series A: Output power connector – Bastion 40A fused	
Connector type	Bastion 2 contacts with built-in fuse with LED power indicator <i>NOTE:</i> <i>unfused 80A Bastion connector available for jumper cable sizes up to 16mm²</i>
Number of contacts	2
Rated current	40A
Rated Voltage	90V
Withstanding Voltage	1500VAC
Contact resistance	≤2mΩ
Insulation resistance	≥1500MΩ
Mating cycles	50~200Cycles
Insertion/retraction force	100N/20-80N
IP rating	IP67
Spray salt testing	720h
UV protection testing	1000h
Operating temperature	-40°C~+105°C
Material flammability class acc. to UL 94	V-0
Mounting bracket	
Bracket type	Universal Pole and wall mount
Materials:	
Bracket and locking mechanism	Stainless steel, zinc plated
Operating Temperature	-40°C to +85°C
OTHER	
Additional features	External Earth terminal Pressure Compensation Element for IP6x enclosures (optional) DC power LED indicator inside the Bastion connector
RoHS, REACH compliant	Yes
NOTE: Other configurations are available upon request.	

The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

