



Product specification

ZonaEQ - DC distribution box – single output



Description

Series B ZonaEQ is a pre-assembled outdoor DC distribution enclosure with gland cable input and 50A connectorized output.

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

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Halogen free	Yes
UV protection	Yes
Material	Base polycarbonate, grey 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





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Width	17.7
Height	43
Operating temperature	-40 to +105°C
Standard	EN61238-1, EN60947-7-2
Series B: Output power connector – EKKO 50A	
Number of contacts	2
Rated current	50A
Rated Voltage	500V
Contacts	Φ4.0*2, Brass silver plated
Contact resistance	≤1mΩ
Mating cycles	1700
Body material	Engineering plastic PBT
Vibration	Frequency: 5-200Hz, Amplitude:5mm, Speed:10m/s, 0.10μs without disconnection
IP rating	IP67 mated
Spray salt testing	PH6.5-7.2, NaCl, 5% 48H
Material flammability class acc. to UL 94	V-0
UV protection	Yes
Operating temperature	-40°C ~ +80°C
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)
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.

