

Art.Nr. 10015463

Battery protection | enwitec BAT FUSE B-03 W

enwitec electronic GmbH  
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Designation	Battery protection BAT FUSE B-03 W
Application	Battery protection
Number and type of battery charger / inverter	4/3
Number and type of energy storage units	Max. 3
General note	This battery fuse can be used universally for many systems. The BAT FUSE is supplied without a fuse link. The type NH01 fuse used with a current range of 80...250A ultimately determines the tripping characteristics. Always consult the system manufacturer and/or the manufacturer of the battery charger/inverter.

All values in [mm]

Dimensions

Fastening points

„blue“

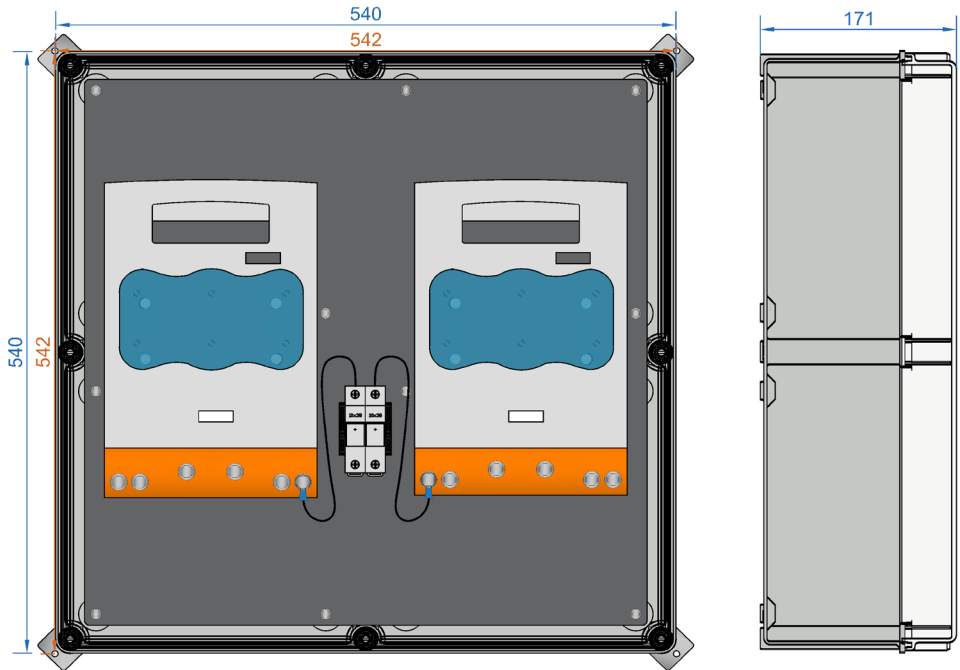
„orange“

Inner construction as well as choice of components may differ within the variants!

### Minimum Distances

top	300
bottom	300
lateral	200
front	800

Cable support must be provided on site!



## SCOPE OF DELIVERY

Quantity	Designation	Quantity	Designation
1	General installation instructions	10	Cable gland M25 incl. locknut
1	Wall mounting brackets - kit	12	Double diaphragm connector M32
12	Cable gland M32 incl. locknut	10	Double diaphragm connector M25

Status: May 2023

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## TECHNICAL DATA

**NOMINAL VALUES** • applicable / - not applicable

Rated voltage	[VDC]	12/24/48
Rated insulation voltage	[VDC]	800
Rated current of the circuit breaker depending on fuse insert	[A]	80...250
Rated voltage of the voltage tap	[VDC]	12/24/48
Rated current of the voltage tap	[A]	8

### FUSE

Type		NH01
Permitted fuse inserts	[A]	80...250
Classification of the holder		Fuse switch disconnecter
Amount		6

### CONNECTION BATTERY

Max. number of battery strings		3
<u>Cable entry</u>		
Cable glands (EN 62444)		M32
Clamping range (from - to)	[Ømm]	14 - 21
<u>Connections</u>		
Connection type		screw connection M8
Max. width of the cable lug	[mm]	25
Max. wire cross-section (Cu)	[mm <sup>2</sup> ]	95
Conductor material and type		Copper
Tightening torque	[Nm]	16 - 20

### CONNECTION SUNNY ISLAND CHARGER

Number of possible chargers		4
<u>Cable entry</u>		
Cable glands (EN 62444)		M25
Clamping range (from - to)	[Ømm]	9 - 16
<u>Connections</u>		
Connection type		screw connection M8
Max. width of the cable lug	[mm]	16
Max. wire cross-section (Cu)	[mm <sup>2</sup> ]	16
Conductor Material		Copper
Tightening torque	[Nm]	16 - 20

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## TECHNICAL DATA

### CONNECTION SUNNY ISLAND INVERTER • applicable / - not applicable

Max. number of inverters		3
<u>Cable entry</u>		
Cable glands (EN 62444)		M32
Clamping range (from - to)	[Ømm]	14 - 21
<u>Connections</u>		
Connection type		Screw connection M10
Max. width of the cable lug	[mm <sup>2</sup> ]	25
Max. wire cross-section (Cu)	[mm <sup>2</sup> ]	95
Conductor material		Copper
Tightening torque	[Nm]	24 - 28

### CONNECTION BATTERY VOLTAGE TAP

Max. number of consumer circuits		1
<u>Cable entry</u>		
Cable glands (EN 62444)		M25
Clamping range (from - to)	[Ømm]	9 - 16
<u>Connections</u>		
Connection type		Screw terminal
Max. wire cross-section (Cu)	[mm <sup>2</sup> ]	4
Conductor material		Copper
Tightening torque	[Nm]	2
Capsule fuse 10x38mm DC	[A]	2 x 8

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## TECHNICAL DATA

### GENERAL DATA

• applicable / - not applicable

Dimensions WxHxD (without cable glands)	[mm]	540 x 540 x 171
Weight, approx.	[kg]	16
Operating temperature range	[°C]	-20...+60
Temperature - transport/storageg (24h 70°C)	[°C]	-25...+40
Humidity - condensing allowed	•/-	-
Humidity - permitted range	[%]	5...95
Max. altitude above sea level	[m]	2000
Protection class IP (EN 60529)		65
Outdoor suitability (protected area)	•/-	-
Protection against electric shock (EN 61140)		II
Case material		GFRP-polyester
RoHS-conformity (2011/65/EU)	•/-	•
Case colour		similar RAL 7035
Cover		transparent
Mounting method		wall mounting
Locking system		screw cover

### MISCELLANEOUS

Customs tariff number		85371098
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### SPARE PARTS

DC-fuse 10x38 mm - 8A		10013494
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## EC DECLARATION OF CONFORMITY

The product, designation:	<b>enwitec BAT FUSE B-03 W</b>
article number	<b>10015463</b>
manufacturer:	<b>enwitec electronic GmbH Scherrwies 2 84329 Rogglfing</b>
description:	<b>Battery protection for PV energy storage systems</b>

to which this declaration relates, is in conformity to the following standards or normative documents:

<b>EN 61439-1</b>	<b>Low-voltage switchgear and controlgear assemblies</b>
<b>EN 61439-2</b>	<b>Power switchgear and controlgear assemblies</b>
<b>VDE-AR-E 2510-2</b>	<b>Stationary electrical energy storage systems</b>

and is in accordance with the provisions of the following EC-directives:

**Low-voltage directive 2014/35/EU**  
**Restriction of Hazardous Substances Directive 2011/65/EU (RoHS)**

Year of affixing CE-marking:	<b>2016</b>
Date of issue:	<b>2016-10-21</b>

enwitec electronic GmbH



Name / Signature

Johann Wimmer  
CEO