

Art.Nr. 10015462

Battery protection | enwitec BAT FUSE B-01 W

enwitec electronic GmbH
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Designation	Battery protection BAT FUSE B-01 W
Application	Battery protection
Number and type of battery charger / inverter	2/1
Number and type of energy storage units	Max. 2
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

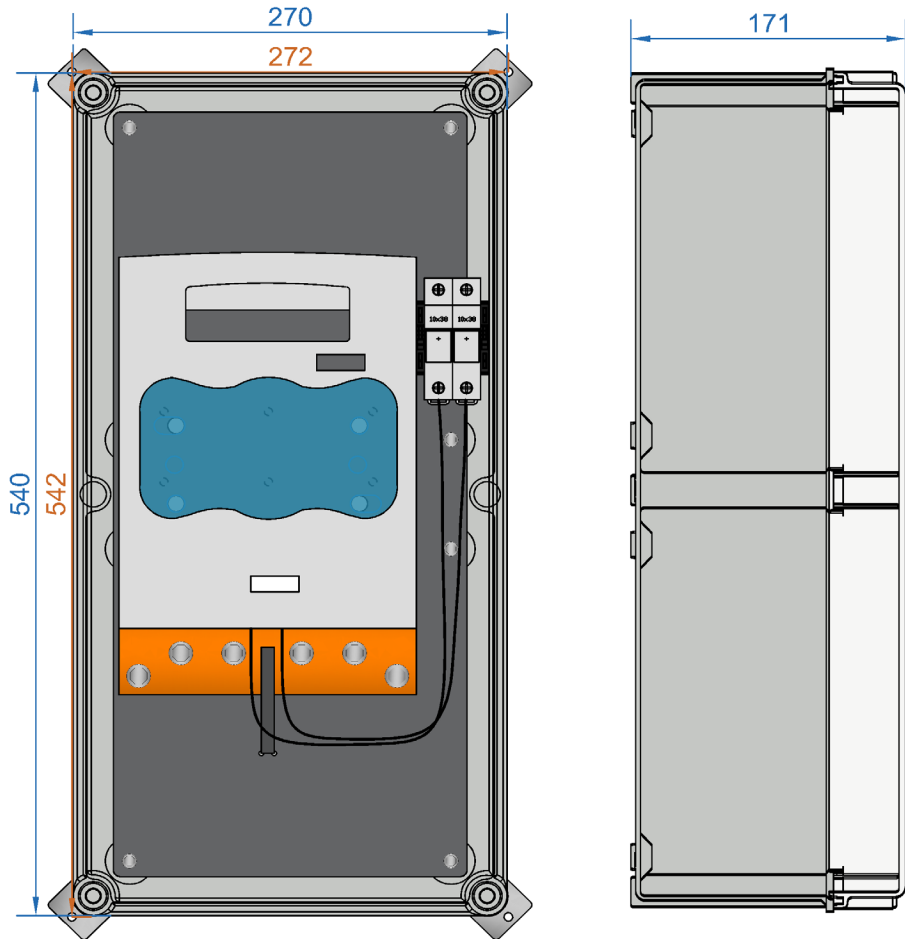
„blue“
 „orange“

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

Minimum Distances

top	300
bottom	300
lateral	200
front	1200

Cable support must be provided on site!



SCOPE OF DELIVERY

Quantity	Designation	Quantity	Designation
1	General installation instructions	2	Double diaphragm connector M32
1	Wall mounting brackets - kit	2	Double diaphragm connector M25
6	Cable gland M32 incl. locknut	2	Screw M10 incl. locking edge disc
6	Cable gland M25 incl. locknut	6	Screw M10 incl. locking edge disc

Status: October 2023

10015462_data sheet_BAT FUSE B-01 W_2024_01_15

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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		2

CONNECTION BATTERY

Max. number of battery strings		2
<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 ²]	95
Conductor material and type		Copper
Tightening torque	[Nm]	16 - 20

CONNECTION SUNNY ISLAND CHARGER

Number of possible chargers		2
<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 ²]	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		1
<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 ²]	25
Max. wire cross-section (Cu)	[mm ²]	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 ²]	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]	270 x 540 x 171
Weight, approx.	[kg]	8
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:	enwitec BAT FUSE B-01 W
article number	10015462
manufacturer:	enwitec electronic GmbH Scherrwies 2 84329 Rogglfing
description:	Battery protection for PV energy storage systems

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

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

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:	2016
Date of issue:	2016-10-21

enwitec electronic GmbH



Name / Signature

Johann Wimmer
CEO