

BH500/BH501 1500 V Fuse Holder

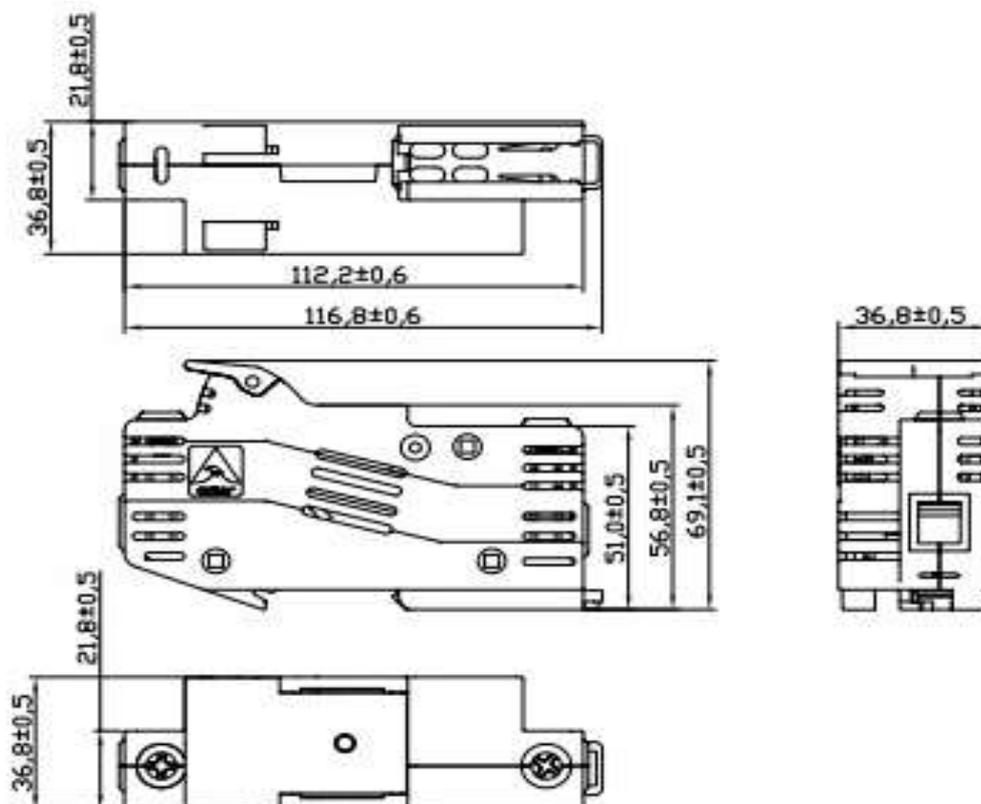


FEATURES:

ADLER BH500/BH501 touch safe fuse holder is designed for all standard 24x65 mm PV fuses such as ADLER A95 series. With current ratings up to 125 A at 1500 VDC, this holder provides the most compact and effective solution to protect 1500 VDC circuits and equipment in photovoltaic applications.

Note: SCCR is limited to the interrupting rating of the installed fuse or 30 kA, which ever is less.

DIMENSIONS: mm



DESCRIPTION:

The BH500/BH501 touch safe holder is designed for 24x65 mm fuse link, especially for use with photovoltaic equipment.

SPECIFICATIONS:

- Rated Voltage: 1500 VDC
- Rated Current: up to 125 A
- Short Circuit Current Rating (SCCR): DC 30 kA
- Standards: UL 4248-19 and EN 60947-1 -3
(30 kA at 1500 VDC)
- Max. Dissipation: 25 W
- Material Flammability: UL 94-V0
- Mounting: DIN Rail mounting
- Max. Torque: 4 N·m
- Wire Range: 2-12AWG
- Operation Temperature: $-40\text{ }^{\circ}\text{C}$ to $+150\text{ }^{\circ}\text{C}$



A95 gPV 1500 VDC Fuse 24x65 mm



Preliminary Datasheet

FEATURES:

- 1500 VDC, 24x65 mm PV fuse link with glass-fiber body
- Rated Current: 35-100A
- Breaking Capacity: 30 kA at 1500 VDC
- Time Constant: 1-3 ms
- Special design with silver plated caps for high-power PV applications
- Standard Ref. to: UL 248-19; IEC 60269-6
- Customizable for special applications

ELECTRICAL SPECIFICATIONS

Part Number				Rated Current	Ampere Code	Breaking Capacity	I ² t (A ² s)		Dissipation (W)		Certification	
Cylindrical	2 AWG In-terminal	4 AWG In-terminal	6 AWG In-terminal				Pre-Arcing	Total	0.8 I _n	1.0 I _n	UL	TUV
A952350b00	---	A952350b02	A952350b03	35 A	2350	30 kA@ 1500 VDC	1600	5100	6	7.5	●	●
A952400b00	---	A952400b02	A952400b03	40 A	2400		3000	6500	6.6	8.2	●	●
A952450b00	---	A952450b02	A952450b03	45 A	2450		4500	8500	6.8	8.5	●	●
A952500b00	---	A952500b02	A952500b03	50 A	2500		7000	14500	7.2	9	●	●
A952550b00	---	A952550b02	A952550b03	55 A	2550		8500	15500	8	10	●	●
A952600b00	A952600b01	A952600b02	A952600b03	60 A	2600		10500	19000	8.8	11	●	●
A952630b00	A952630b01	A952630b02	A952630b03	63 A	2630		11000	20000	9.0	11.2	●	●
A952650b00	A952650b01	A952650b02	A952650b03	65 A	2650		12000	22000	9.6	12	●	●
A952700b00	A952700b01	A952700b02	A952700b03	70 A	2700		16500	29000	10.4	13	●	●
A952800b00	A952800b01	A952800b02	A952800b03	80 A	2800		20000	33000	12.8	16	●	●
A952900b00	A952900b01	A952900b02	---	90 A	2900		25000	39000	13.6	17	●	●
A953100b00	A953100b01	A953100b02	---	100A	3100		32000	90000	14.4	18	●	●

Note: Operating temperature rang: -40°C ~ 90°C.

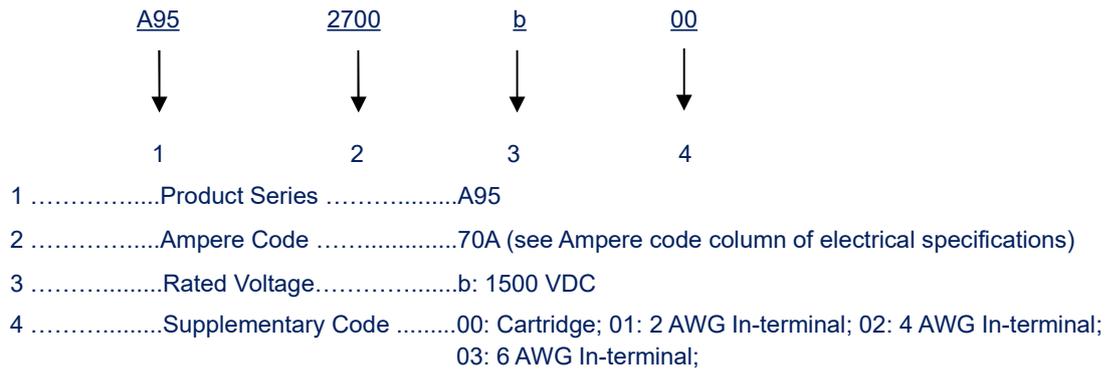
APPLICATIONS:

- PV combiner/ junction boxes
- Inverters
- Battery Charge Controllers

TIME VS CURRENT CHARACTERISTIC

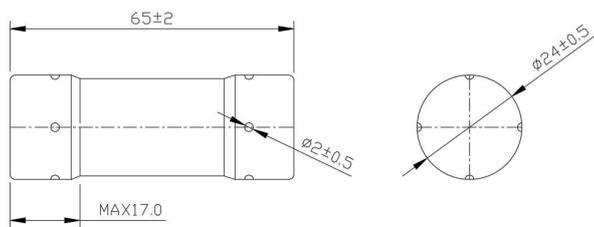
Standard	UL			IEC		
Rated Current	100 %	135 %	200 %	100 %	113 %	145 %
35-100 A	Temperature Stabilization	<1 h	<4 min	Temperature Stabilization	>1 h	<1 h

PART NUMBER SYSTEM

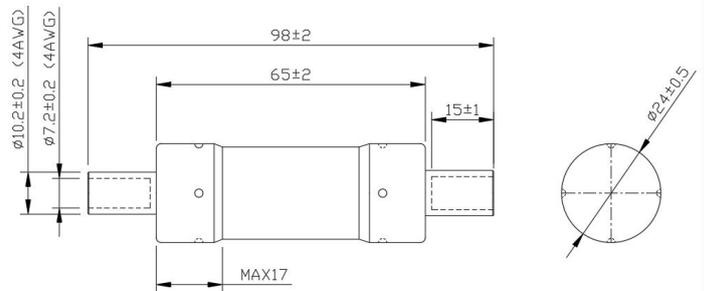


DIMENSIONS (mm)

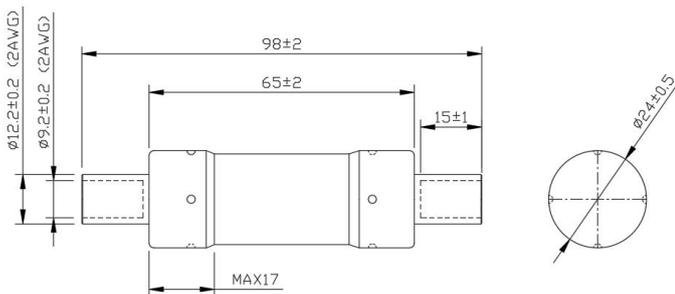
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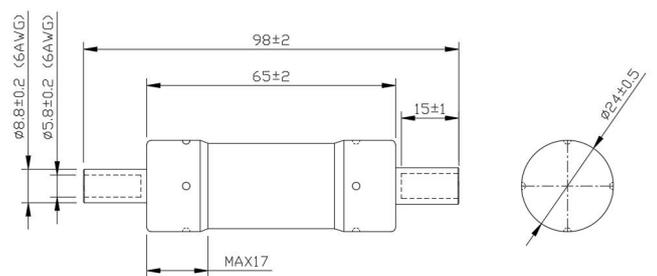
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A95xxxxb02



A95xxxxb03



TIME CURRENT CURVE

Average Current Curve(I-T Curve)

