

AHE 2# ESS FUSES



FEATURES

- Rated Voltage: 1500 Vdc
- Amperage Rating: 160A-800A
- Breaking Capacity: 250kA
- Time Constant: 3~5ms
- Class Type: aR
- Strong current limiting capacity
- AHE series PN in this datasheet is without microswitch
Optional microswitch available PN: MS0003

DESCRIPTION

Adler AHE 2# ESS series power fuses are specially engineered and tested to provide excellent protection performance in Industrial ESS and Power Distribution Protection. With currents from 160A to 800A with a breaking capacity of 250kA.

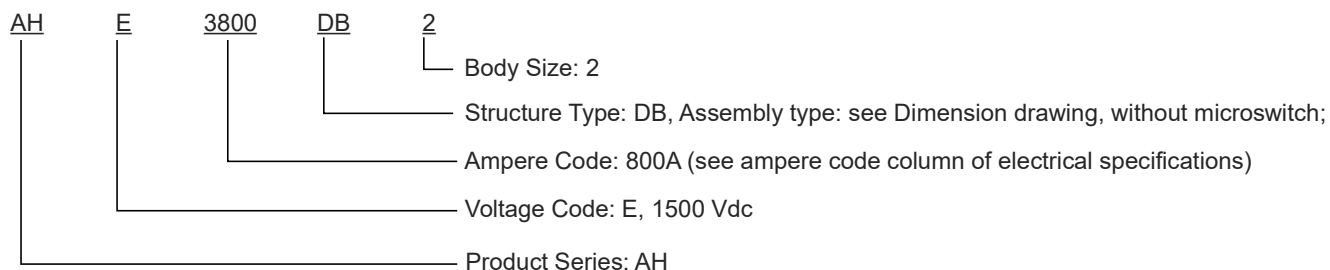
AGENCY INFORMATION

- Ref. to IEC 60269-1 / IEC 60269-4
- Approval: UL & TUV
- IATF 16949 quality system
- RoHS and REACH Compliant

APPLICATIONS

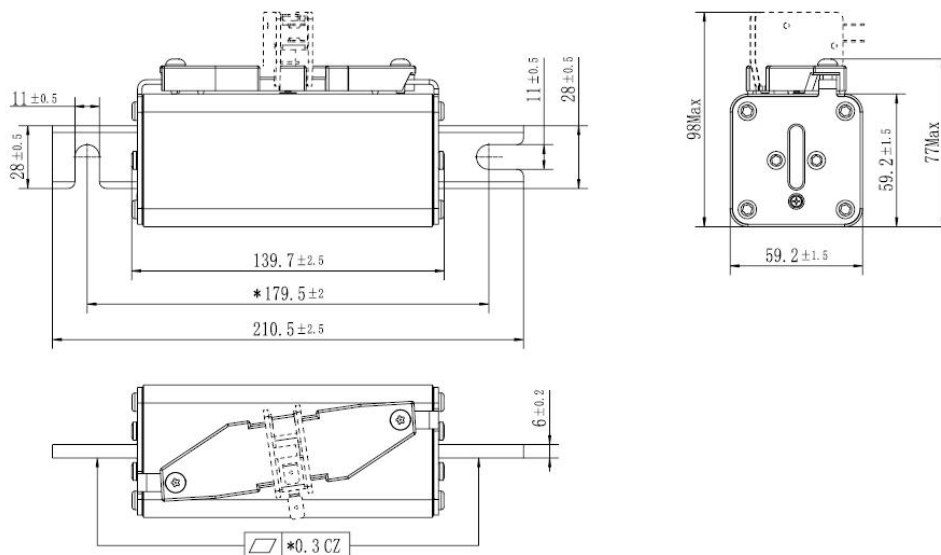
- Industrial ESS and BESS protection
- Power Distribution Protection

PART NUMBERING SYSTEM



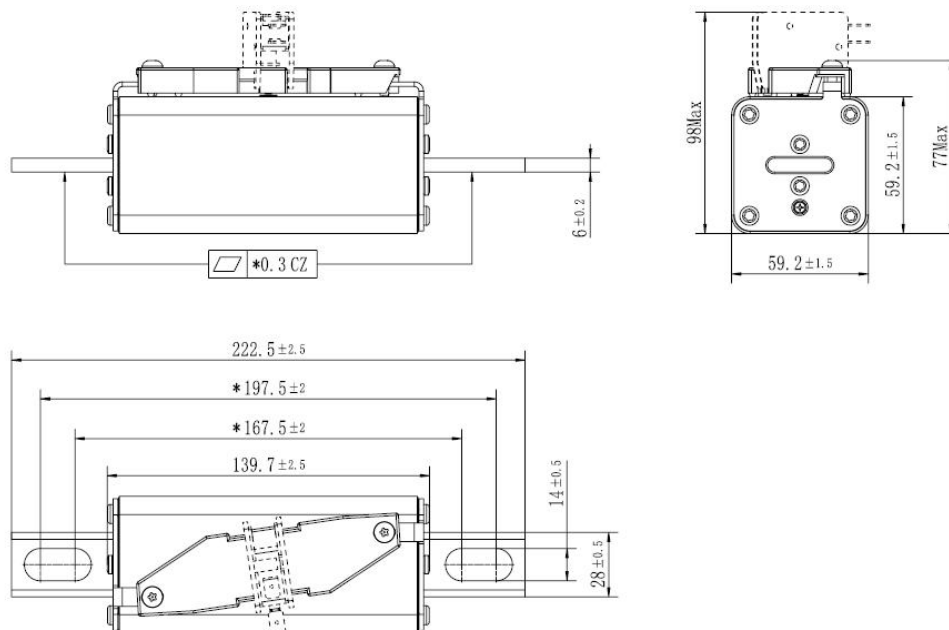
DIMENSIONS (mm):

AHE3800DB2:



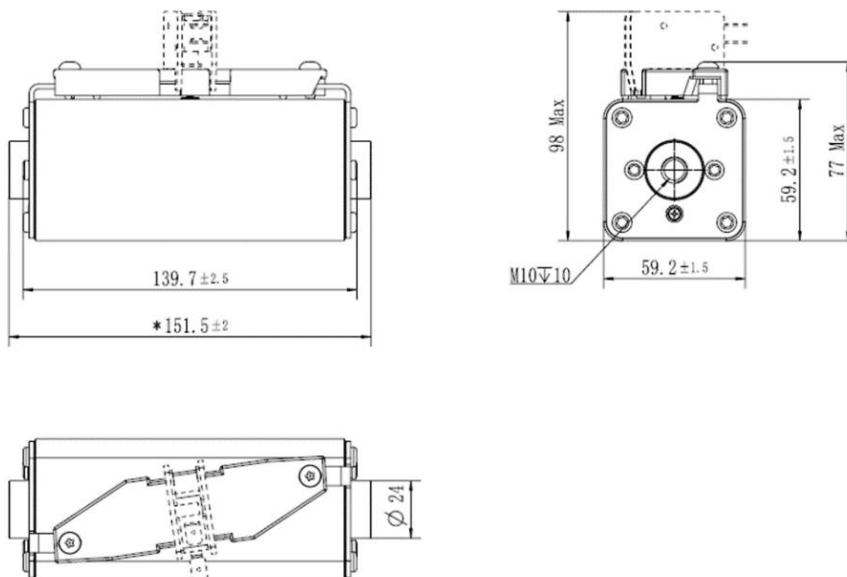
Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1474±3%	M10	20±1

AHE3800UB2:



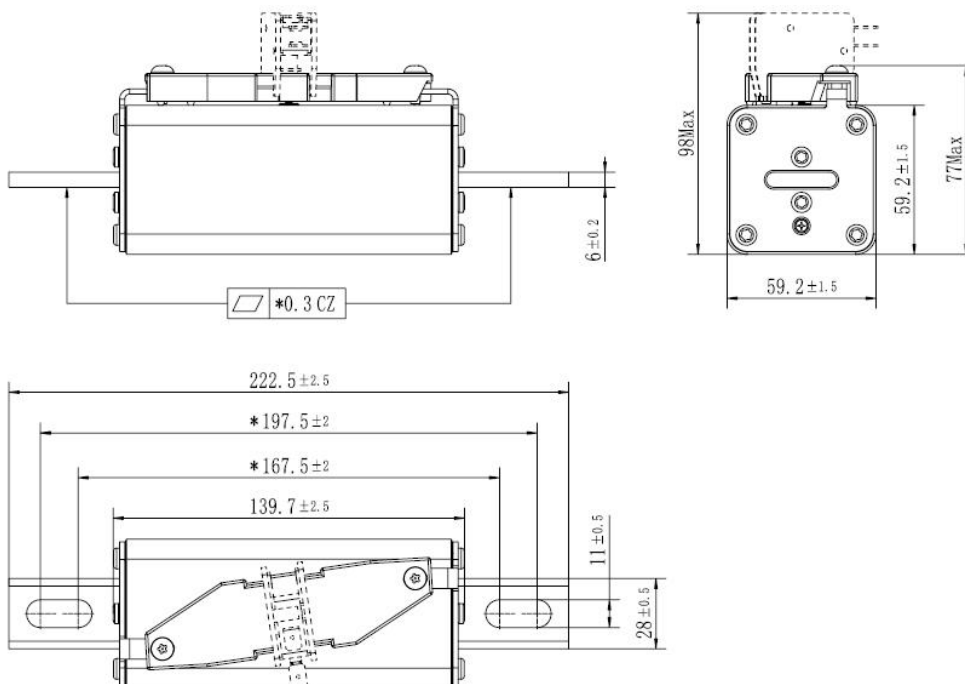
Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1474±3%	M12	38±1

AHE3800FL2:



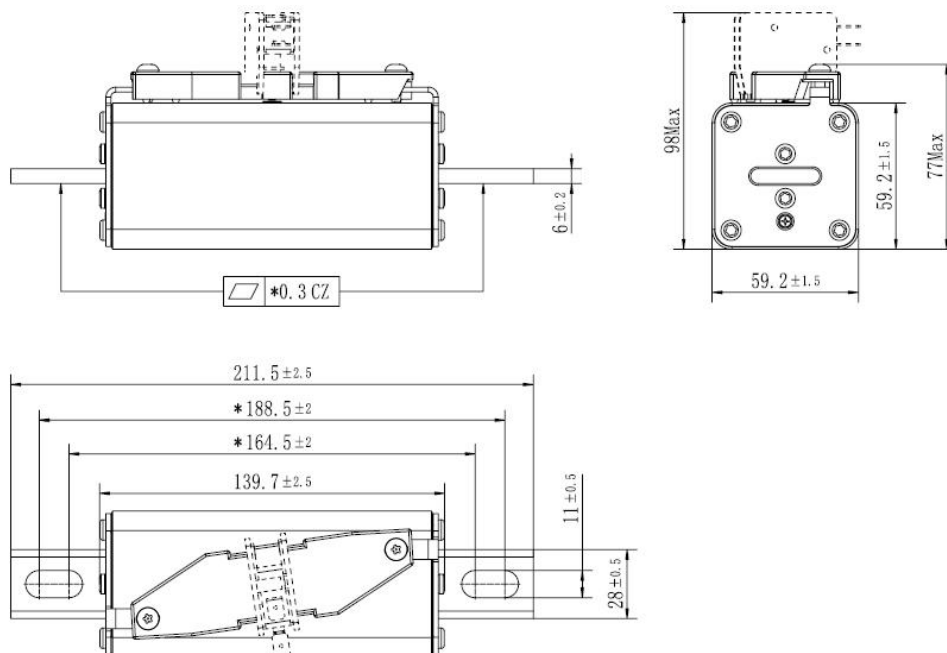
Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1449±3%	M10	20±1

AHE800CUB2:



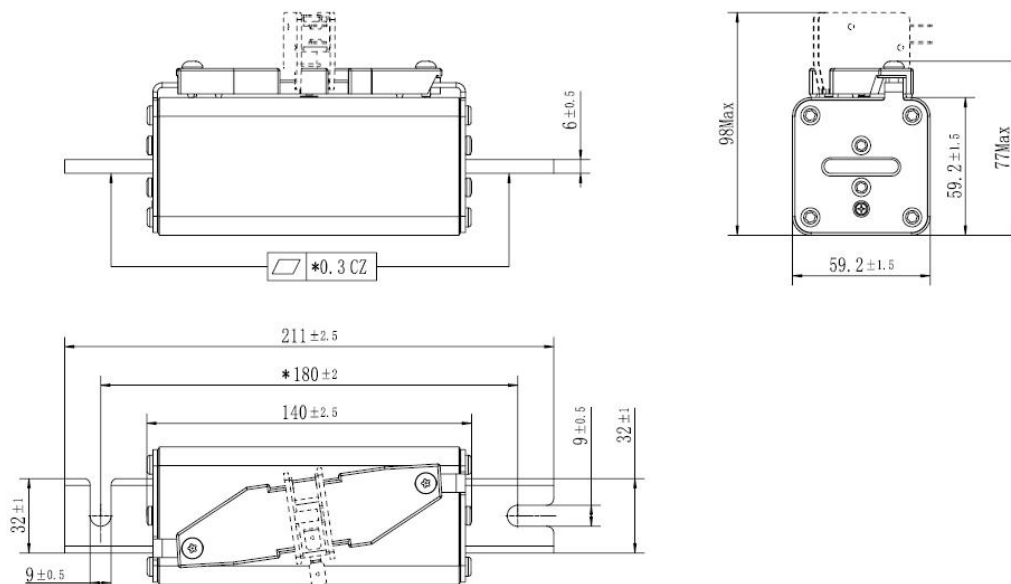
Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1474±3%	M10	20±1

AHE0800UB2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1474±3%	M10	20±1

AHE800CDB2:



Box specifications (mm)	Packing quantity / per container	Weight / PCS (g) without microswitch	Recommended Screw	Recommended tightening torque (N·m)
395×265×230	8pcs	1474±3%	M8	12±1

ELECTRICAL SPECIFICATIONS

Item No	Part Number						Ampere Code	Rated Current / A	Rated Voltage / Vdc	Breaking Capacity	I²t (A²s)		Power Loss / W_100% Rated
	Din	Bolted	Flush	Customize							Pre - Arcing	Total	
1	AHE3160DB2	AHE3160UB2	AHE3160FL2	AHE160CUB2	AHE0160UB2	AHE160CDB2	3160	160	1500	250kA	4850	12150	81
2	AHE3200DB2	AHE3200UB2	AHE3200FL2	AHE200CUB2	AHE0200UB2	AHE200CDB2	3200	200	1500	250kA	12900	32508	90.0
3	AHE3250DB2	AHE3250UB2	AHE3250FL2	AHE250CUB2	AHE0250UB2	AHE250CDB2	3250	250	1500	250kA	20667	52702	113.0
4	AHE3280DB2	AHE3280UB2	AHE3280FL2	AHE280CUB2	AHE0280UB2	AHE280CDB2	3280	280	1500	250kA	24704	63737	125.6
5	AHE3315DB2	AHE3315UB2	AHE3315FL2	AHE315CUB2	AHE0315UB2	AHE315CDB2	3315	315	1500	250kA	34406	89799	133.8
6	AHE3350DB2	AHE3350UB2	AHE3350FL2	AHE350CUB2	AHE0350UB2	AHE350CDB2	3350	350	1500	250kA	45240	119433	143.0
7	AHE3400DB2	AHE3400UB2	AHE3400FL2	AHE400CUB2	AHE0400UB2	AHE400CDB2	3400	400	1500	250kA	64361	171844	159.3
8	AHE3450DB2	AHE3450UB2	AHE3450FL2	AHE450CUB2	AHE0450UB2	AHE450CDB2	3450	450	1500	250kA	85836	231757	168.9
9	AHE3500DB2	AHE3500UB2	AHE3500FL2	AHE500CUB2	AHE0500UB2	AHE500CDB2	3500	500	1500	250kA	109226	298187	183.2
10	AHE3550DB2	AHE3550UB2	AHE3550FL2	AHE550CUB2	AHE0550UB2	AHE550CDB2	3550	550	1500	250kA	134094	370099	204.4
11	AHE3630DB2	AHE3630UB2	AHE3630FL2	AHE630CUB2	AHE0630UB2	AHE630CDB2	3630	630	1500	250kA	194817	543539	213.2
12	AHE3700DB2	AHE3700UB2	AHE3700FL2	AHE700CUB2	AHE0700UB2	AHE700CDB2	3700	700	1500	250kA	263007	741680	236.5
13	AHE3800DB2	AHE3800UB2	AHE3800FL2	AHE800CUB2	AHE0800UB2	AHE800CDB2	3800	800	1500	250kA	389471	110999 3	253.4

OPERATION CONDITIONS:

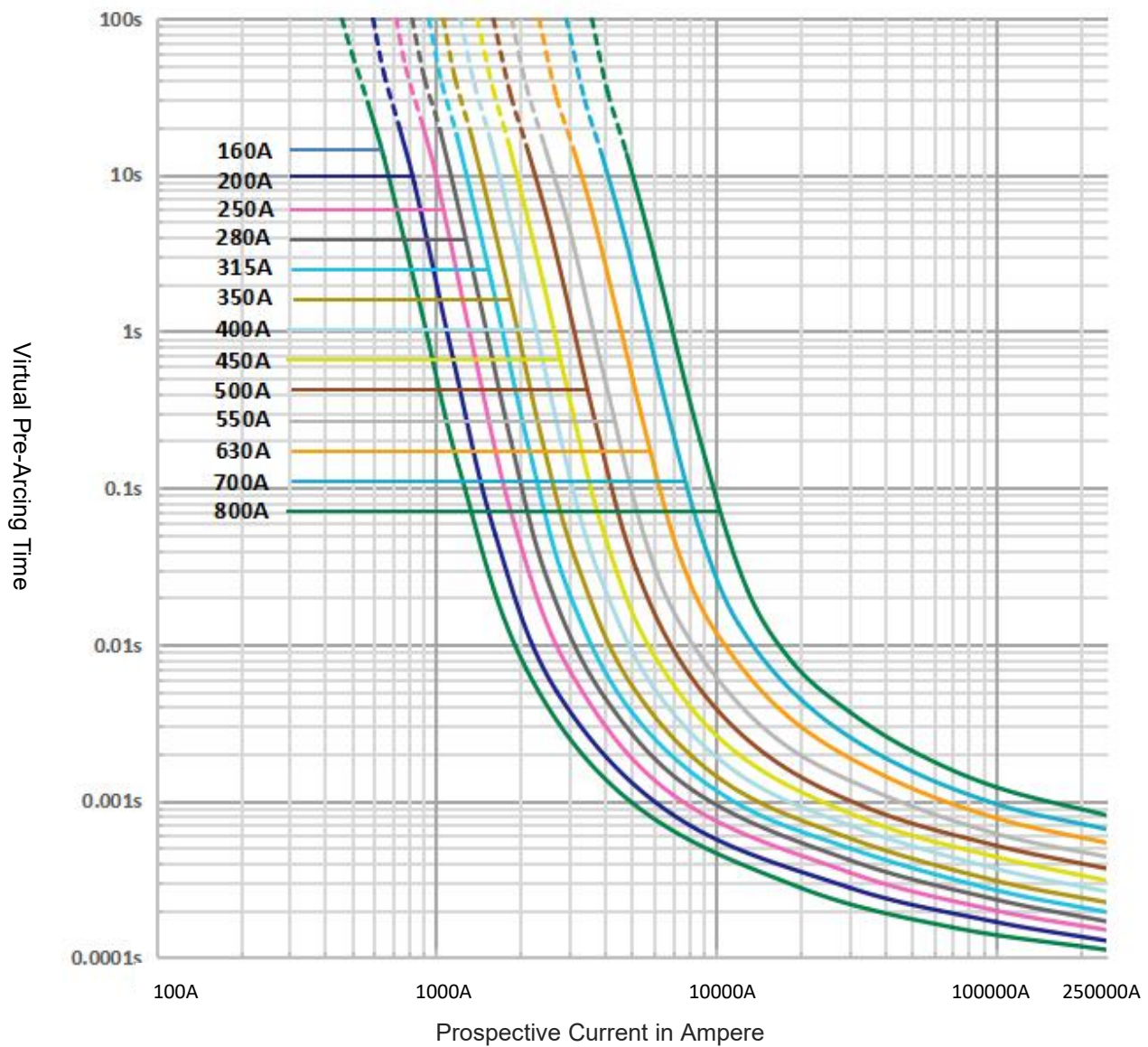
Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

- Normal temperature: -5°C ~ 40°C, permissible operating temperature: -40°C-120°C;
- The altitude of the site of installation of the fuses should not exceed 2000 m above sea level and permissible altitude site of installation does not exceed 5000m;
- The air should be clean and it's relative humidity does not exceed 50% at the maximum temperature of 40°C;
- Higher relative humidity is permitted at lower temperatures, e.g., 90% at 20°C;
- Pollution grade III
- Under these conditions, moderate condensation may occasionally occur due to variation in temperatures.
- For operating conditions other than above, please contact manufacturer.

STORAGE:

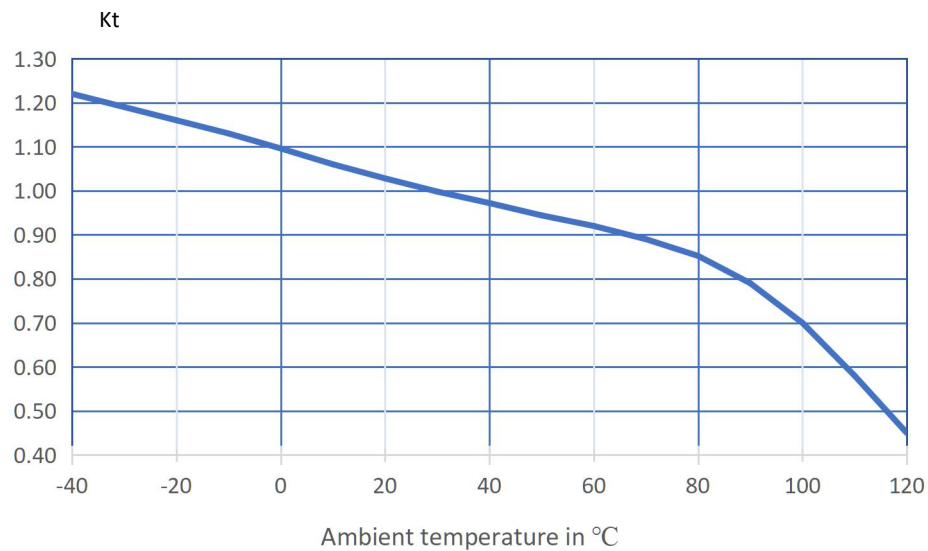
During transportation and storage, avoid water seepage and mechanical damage.

TIME CURRENT CURVE



Temperature Correction Curve

When the fuse is operating below -5°C or above 40°C , the rated current needs additional modification. The correction factor is K_t .



WEB RESOURCES

Download the latest technical documents: www.adlerelectric.com. Specifications are subject to change without notice