K8F/K8F-A

24.1Ø x 91.6 mm / 35.2Ø x 95.0 mm

Ideal for use in electric vehicles charging protection boards
2022 Taiwan Excellence Award Recipient

Agency Approvals

Agency	Ampere Rating
Recognized Component for Canada and US	50A - 400A

Interrupting Rating

50A - 150A:	100,000 amperes at 800V AC 50,000 amperes at 800V DC
160A -400A:	100,000 amperes at 800V AC 50,000 amperes at 800V DC

Product Characteristics

Operating Temperature	-55 °C to 125 °C
Material	Body: Ceramic Caps: Tin Plated Copper Alloy Terminal: Tin Plated Copper Alloy

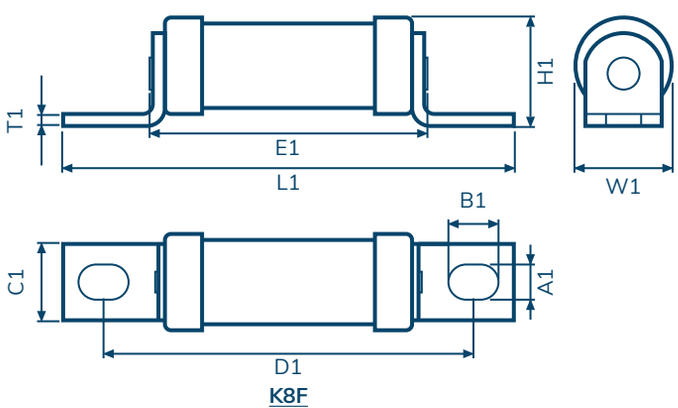
Catalog Number	Ampere Rating (A)	Voltage Rating (V)	Watts Loss 100% In(W)	Clearing I^2t (A^2 sec.)
K8F / K8F-A 050	50A	800V	11	800
K8F / K8F-A 075	75A		15.5	1500
K8F / K8F-A 100	100A		24	3100
K8F / K8F-A 125	125A		28	10000
K8F / K8F-A 150	150A		32	16900
K8F / K8F-A 160	160A		33	17100
K8F / K8F-A 175	175A		35	17500
K8F / K8F-A 200	200A		40.5	22000
K8F / K8F-A 225	225A		43	30000
K8F / K8F-A 250	250A		46	37000
K8F / K8F-A 300	300A		56	52000
K8F / K8F-A 350	350A		65	81000
K8F / K8F-A 400	400A		77	110000

(*I^2t measured at 50 kA / 800 VDC)

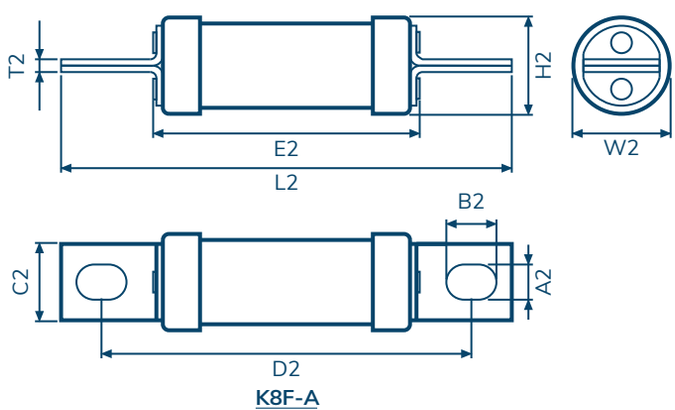
Packaging

Packaging Option	Quantity	
Bulk	**50A-150A:** 20 inner boxes / mid box 5 mid boxes / carton	**160A-400A:** 10 inner boxes / mid box 5 mid boxes / carton

Mechanical Dimensions (mm)



K8F



K8F-A

K8F Series	A1	B1	C1	D1	E1	H1	L1	T1	W1
50A - 150A	8.8±1.0	12.4±1.0	19.1±1.0	91.6±3.6	69.0±3.0	27.1±2.0	111.6±3.0	3.0±0.2	24.1±2.0
160A - 400A	10.5±1.0	15.0±1.0	26.0±1.0	95.0±4.5	69.2±3.0	38.2±2.0	117.6±3.0	3.0±0.2	35.2±2.0
K8F-A Series	**A2**	**B2**	**C2**	**D2**	**E2**	**H2**	**L2**	**T2**	**W2**
50A - 150A	8.8±1.0	12.4±1.0	19.1±1.0	91.6±3.6	66.0±3.0	24.1±2.0	111.6±3.0	3.4±0.2	24.1±2.0
160A - 400A	10.5±1.0	15.0±1.0	26.0±1.0	95.0±4.5	69.2±3.0	35.2±2.0	117.6±3.0	6.0±0.2	35.2±2.0