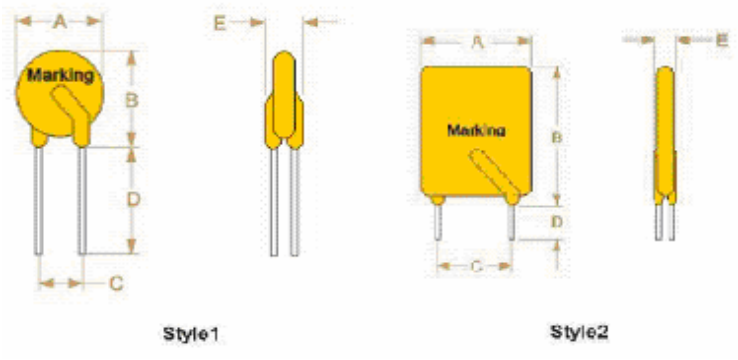
Features

- Radial leaded devices
- Designed for use in line voltage applications, permitting maximum voltages of up to 265 VAC
- Protecting against both overcurrent and overtemperature faults on the primary side of power supplies and transformers
- Available in lead-free version
- Recognition: UL, CSA, TUV is pending

Product Dimensions

Part number	A	B	C	D	E	Lead	
	Max	Max	Typ	Min	Max	Style	Size(ϕ)
DWB050LVF	8.3	10.7	5.1	7.6	3.8	1	0.6
DWB080LVF	8.3	10.7	5.1	7.6	3.8	1	0.6
DWB120LVF	8.3	10.7	5.1	7.6	3.8	1	0.6
DWB160LVF	9.0	12.5	5.1	7.6	3.8	1	0.6
DWB250LVF	9.6	17.4	5.1	7.6	3.8	2	0.6
DWB330LVF	11.5	19.5	5.1	7.6	3.8	2	0.6
DWB400LVF	11.5	19.5	5.1	7.6	3.8	2	0.6
DWB550LVF	11.5	19.5	5.1	7.6	3.8	2	0.8
DWB600LVF	12.5	22.5	5.1	7.6	3.8	2	0.6
DWB750LVF	12.5	22.5	5.1	5.1	3.8	2	0.8
DWB800LVF	15.5	22.5	5.1	7.6	3.8	2	0.6
DWB1000LVF	18.7	24.4	10.2	5.1	3.8	1	0.8
DWB1250LVF	22.0	27.4	10.2	5.1	3.8	1	0.8
DWB2000LVF	24.9	33.8	10.2	5.1	3.8	2	0.8



Marking system

DWB □□□ LV

Product family

Current rating

* Lead materials: Tin-plate metal wire.

* Lead-free devices are available, the right logo is lead-free mark.

Electrical Characteristics

Part number	I_H (A)	I_T (A)	T_{trip} (A)	T_{trip} (S)	V_{max} (V)	I_{max} (A)	R_{min} (Ω)	R_{max} (Ω)	R_{1max} (Ω)
DWB050LVF	0.05	0.12	0.25	15.0	265	1.0	18.50	31.00	65.00
DWB080LVF	0.08	0.19	0.40	15.0	265	1.2	7.40	12.00	26.00
DWB120LVF	0.12	0.30	0.60	15.0	265	1.2	3.00	6.50	12.00
DWB160LVF	0.16	0.37	0.80	15.0	265	2.0	2.50	4.10	7.80
DWB250LVF	0.25	0.56	1.25	18.5	265	3.5	1.30	2.10	3.80
DWB330LVF	0.33	0.80	1.65	21.0	265	4.5	0.77	1.24	2.60
DWB400LVF	0.40	0.90	2.00	26.0	265	5.5	0.60	0.97	1.90
DWB550LVF	0.55	1.25	2.75	26.0	265	7.0	0.45	0.73	1.45
DWB600LVF	0.60	1.35	3.00	36.0	265	5.5	0.40	0.70	1.42
DWB750LVF	0.75	1.50	3.75	18.0	265	7.5	0.32	0.48	0.84
DWB800LVF	0.80	1.80	4.00	40.0	265	10.0	0.30	0.70	1.32
DWB1000LVF	1.00	2.00	5.00	21.0	265	10.0	0.22	0.33	0.58
DWB1250LVF	1.25	2.50	6.25	23.0	265	12.5	0.17	0.25	0.44
DWB2000LVF	2.00	4.00	10.00	28.0	265	20.0	0.09	0.13	0.22

I_H=Hold current: maximum current at which the device will not trip at 25℃ still air.

I_T=Trip current: minimum current at which the device will always trip at 25℃ still air.

V_{max}=Maximum voltage device can withstand without damage at rated current.

I_{max}=Maximum fault current device can withstand without damage at rated voltage.

T_{trip}=Maximum time to trip(s) at assigned current.

R_{min}=Minimum device resistance at 25℃ prior to tripping.

R_{max}=Maximum device resistance at 25℃ prior to tripping.

Thermal Derating Chart-$I_{H(A)}$

Part number	Maximum ambient operating temperatures(℃)								
	-40	-20	0	25	40	50	60	70	85
DWB050LVF	0.080	0.075	0.062	0.050	0.040	0.035	0.030	0.025	0.017
DWB080LVF	0.128	0.120	0.100	0.080	0.064	0.056	0.048	0.040	0.028
DWB120LVF	0.192	0.180	0.150	0.120	0.096	0.084	0.072	0.060	0.042
DWB160LVF	0.256	0.240	0.200	0.160	0.128	0.112	0.096	0.080	0.056
DWB250LVF	0.400	0.375	0.315	0.250	0.200	0.175	0.150	0.125	0.087
DWB330LVF	0.63	0.50	0.42	0.33	0.27	0.23	0.20	0.17	0.11
DWB400LVF	0.64	0.60	0.50	0.40	0.32	0.28	0.24	0.20	0.21
DWB550LVF	0.93	0.82	0.69	0.55	0.47	0.41	0.36	0.30	0.23
DWB600LVF	0.96	0.90	0.75	0.60	0.48	0.42	0.36	0.30	0.21
DWB750LVF	1.45	1.24	0.99	0.75	0.65	0.58	0.52	0.45	0.38
DWB800LVF	1.28	1.20	1.00	0.80	0.64	0.56	0.48	0.40	0.28
DWB1000LVF	1.60	1.42	1.23	1.00	0.78	0.69	0.61	0.54	0.42
DWB1250LVF	2.03	1.81	1.58	1.25	1.08	0.98	0.86	0.75	0.63
DWB2000LVF	2.76	2.54	2.32	2.00	1.71	1.60	1.49	1.39	1.25

Test Procedures And Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25℃	$R_{min} \leqslant R \leqslant R_{max}$
Time to Trip	Specified current, V_{max}, 25℃	T≤maximum Time to Trip
Hold Current	30min, at I_H	No trip
Trip Cycle Life	V_{max}, I_{max}, 100cycles	No arcing or burning
Trip Endurance	V_{max}, 24hours	No arcing or burning

Typical Time–to-Trip Charts at 25℃

A=DWB050LVF H=DWB550LVF

B=DWB080LVF I=DWB600LVF

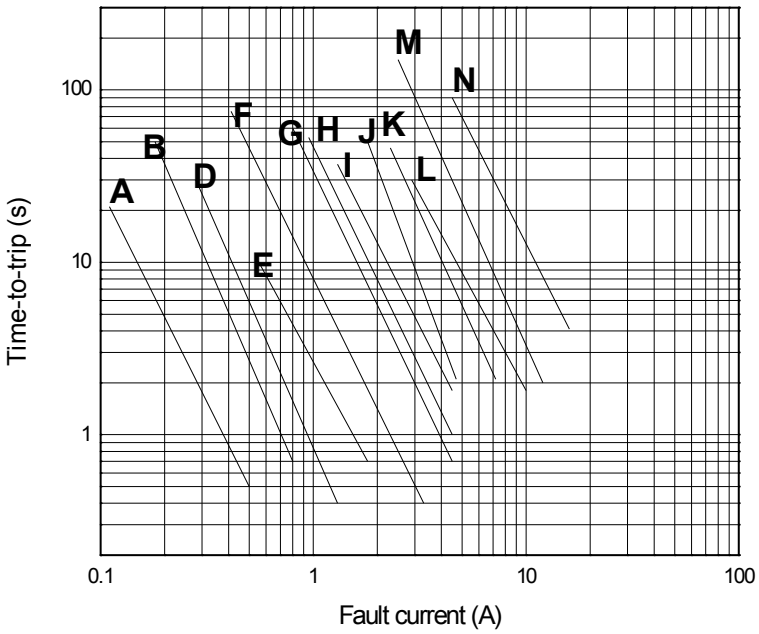
C=DWB120LVF J=DWB750LVF

D=DWB160LVF K=DWB800LVF

E=DWB250LVF L=DWB1000LVF

F=DWB330LVF M=DWB1250LVF

G=DWB400LVF N=DWB2000LVF



Package Information

Bulk:
DWB050LVF~DWB400LVF……1000pcs per bag
DWB550LVF~DWB2000LVF……500pcs per bag
Tape & Reel:
DWB050LVF~DWB400LVF……3000pcs per reel