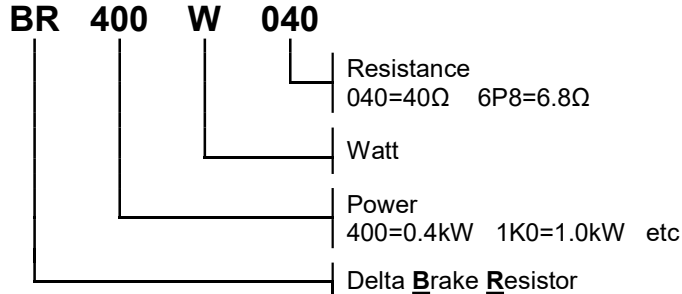
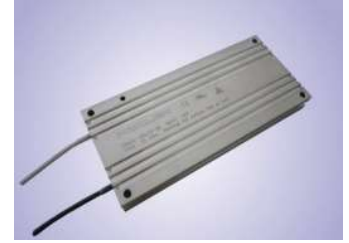


Type number key



Overview: Power, Resistance, Dimensions

Resistor type	Power (kW)	Resistance (Ω)	L1 (mm)	L2 (mm)	H (mm)	D (mm)	W (mm)	Wire length (mm)	Weight (kg)	Drawing
BR080W200	0.08	200	140	125	20	5.3	40	150	0.16	2
BR080W750		750								
BR200W091	0.2	91	165	150	30	5.3	60	200	?	1
BR200W360		360								
BR200W150		150	165	150	40	5.3	30 A=13 B=17	200	?	5
BR200W250		250								
BR300W025	0.3	25	215	200	30	5.3	60	150	0.75	2
BR300W070		70								
BR300W100		100								
BR300W110		110								
BR300W250		250								
BR300W400		400								
BR400W040	0.4	40	265	250	30	5.3	60	150	0.93	2
BR400W150		150								
BR500W030	0.5	30	335	320	30	5.3	60	N/A	1.1	3
BR500W100		100								
BR750W033	0.75	33	See drawing #6						?	6
BR750W140		140								
BR1K0W020	1.0	20								
BR1K0W075		075								
BR1K0W4P3		4.3								
BR1K0W5P1		5.1								
BR1K0W016		16								
BR1K0W050		50								
BR1K1W091	1.1	91	See drawing #6						?	6
BR1K2W3P9	1.2	3.9								
BR1K2W6P8		6.8								
BR1K2W008		8								
BR1K2W015		15								
BR1K5W3P3	1.5	3.3								
BR1K5W005		5								
BR1K5W012		12								
BR1K5W013		13								
BR1K5W027		27								
BR1K5W040		40								
BR1K5W043	43									
BR2250W6P8	2.25	6.8	See drawing #7						?	7
BR2250W015		15								
BR2250W020		20								
BR3K0W015	3.0	15	See drawing #8						?	8



Flat version alternative for the green round ones (Drawing 6-7-8)

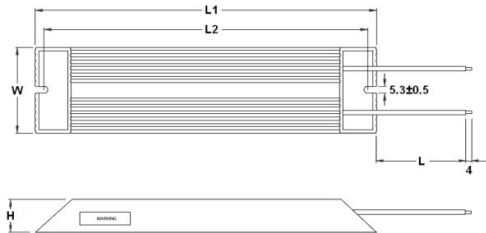
Resistor type	Power (10%ED) (kW)	Resistance (Ω)	L1 (mm)	L2 (mm)	H (mm)	D (mm)	W (mm)	Wire length (mm)	Weight (kg)	Drawing
%D-BR750W033-F	0.75	33	160	148	15	4.5	80	500	0.42	9
%D-BR750W140-F		140	160	148	15	4.5	80	500	0.42	9
%D-BR1K0W020-F	1	20	216	207	15	4.5	80	500	0.55	9
%D-BR1K0W075-F		75	216	207	15	4.5	80	500	0.55	9
%D-BR1K0W4P3-F		4.3	216	207	15	4.5	80	500	0.55	9
%D-BR1K0W5P1-F		5.1	216	207	15	4.5	80	500	0.55	9
%D-BR1K0W016-F		16	216	207	15	4.5	80	500	0.55	9
%D-BR1K0W050-F		50	216	207	15	4.5	80	500	0.55	9
%D-BR1K1W091-F	1.1	91	216	207	15	4.5	80	500	0.55	9
%D-BR1K2W3P9-F	1.2	3.9	216	207	15	4.5	80	500	0.55	9
%D-BR1K2W6P8-F		6.8	216	207	15	4.5	80	500	0.55	9
%D-BR1K2W008-F		8	216	207	15	4.5	80	500	0.55	9
%D-BR1K2W015-F		15	216	207	15	4.5	80	500	0.55	9
%D-BR1K5W3P3-F	1.5	3.3	320	2x154	15	4.5	80	500	0.85	9
%D-BR1K5W005-F		5	320	2x154	15	4.5	80	500	0.85	9
%D-BR1K5W012-F		12	320	2x154	15	4.5	80	500	0.85	9
%D-BR1K5W013-F		13	320	2x154	15	4.5	80	500	0.85	9
%D-BR1K5W027-F		27	320	2x154	15	4.5	80	500	0.85	9
%D-BR1K5W040-F		40	320	2x154	15	4.5	80	500	0.85	9
%D-BR1K5W043-F		43	320	2x154	15	4.5	80	500	0.85	9
%D-BR2250W6P8-F	2.25	6.8	420	2x204	15	4.5	80	500	1.1	9
%D-BR2250W015-F		15	420	2x204	15	4.5	80	500	1.1	9
%D-BR2250W020-F		20	420	2x204	15	4.5	80	500	1.1	9
%D-BR3K0W015-F	3	15	320	2x154	20	4.5	120	500	1.63	10

Brake resistor type vs. Drive type (Voltage&Power)

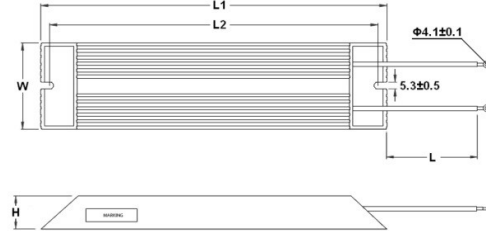
For use in the different drives, either with built-in brake chopper or additional option brake unit, please refer to the related user manuals.

Dimensional drawings

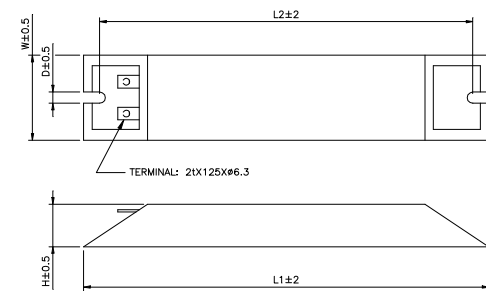
#1



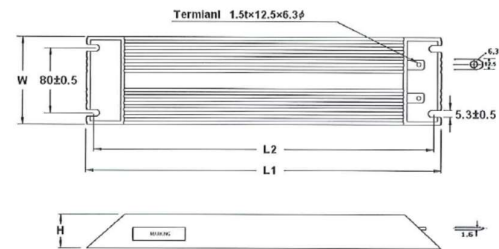
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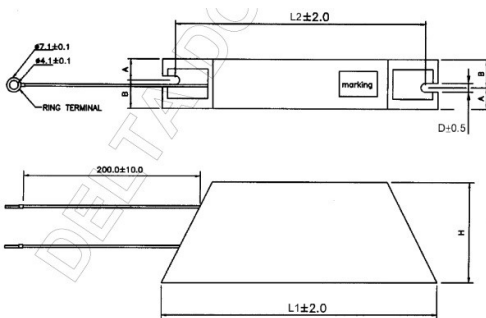
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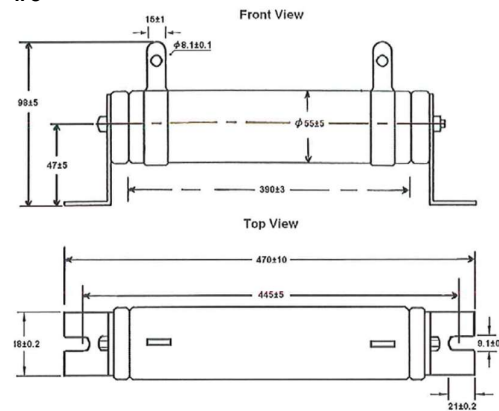
#4



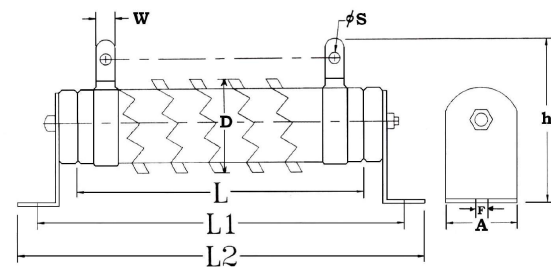
#5



#6

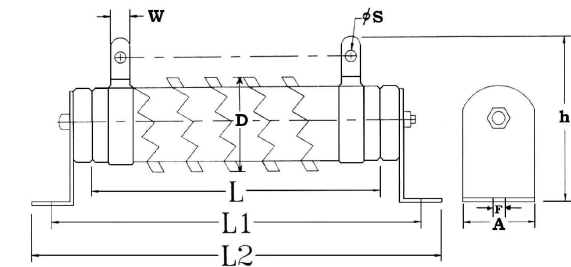


#7



L ± 5	L1 ± 10	L2 ± 10	D ± 5	W ± 0.2	S ± 0.1	A ± 1	F ± 0.1	h ± 10
500	584	610	72	15	8.1	65	9.1	130

#8

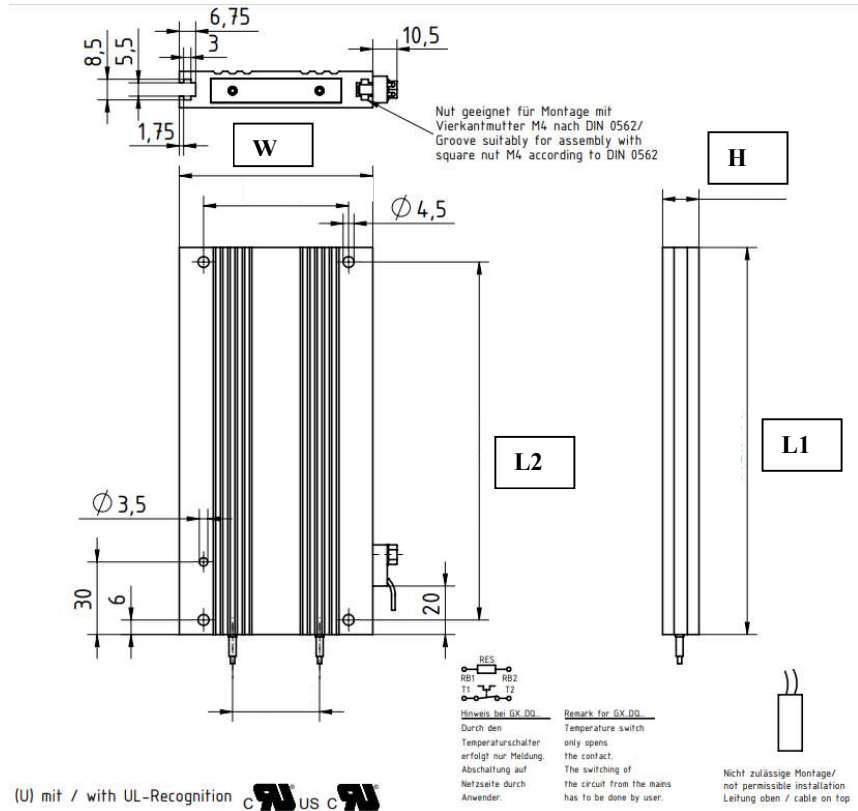


L ± 5	L1 ± 10	L2 ± 10	D ± 5	W ± 0.2	S ± 0.1	A ± 1	F ± 0.1	h ± 10
650	734	760	72	15	8.1	65	9.1	130

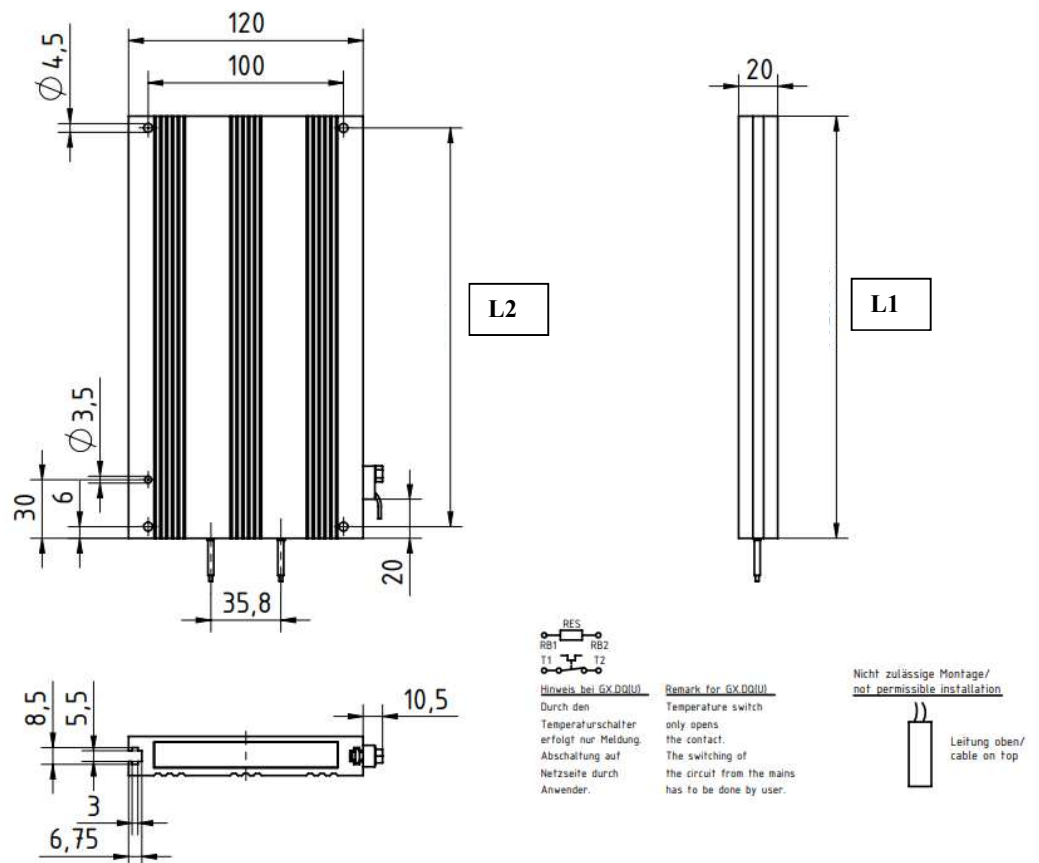
Specifications Sizes 1 till 8

Test	Test conditions	Specification
Operating temperature		-55 ~ 250°C >200°C: use forced cooling with airspeed 3~10m/s -55 ~ 600°C for resistors acc. drawing #6 >350°C : use forced cooling with airspeed 3~10m/s -50°C ~ 350°C for resistors acc. to drawing #7 and #8
Tolerance	at 25°C	±5%
Temperature coefficient		±260ppm/°C
Housing material		Oxidized aluminium Ceramic coating for resistors acc. to drawing #6 to #8
Isolation resistance	between terminals (terminal wire) and housing or mounting bracket	100MΩ @500VDC 1min
Dielectric strength	between terminals (terminal wire) and housing or mounting bracket	1500VAC 1min
Overload	Cycle 10s on ~ 90s off	10x rated power
Lead pull strength		2.5kg 10s Not applicable when resistor has no leads acc. to drawing
Vibration	10~55~10Hz sweep in 1min Amplitude 0.75mm	2hrs per direction

#9



#10



Specifications Sizes 9 & 10

Test		Specification
Operating temperature		-55 ~ 250°C drawing #9 and #10
Tolerance	at 25°C	±10%
Housing material		Oxidized aluminium
Rated Voltage		Max 848 Vdc
Protection Degree		IP40
Overload		10% ED @ total cycle time of maximum 120 s.
Leads		0.5 meter, AWG 14/19 (mind. 1,9 mm ²)