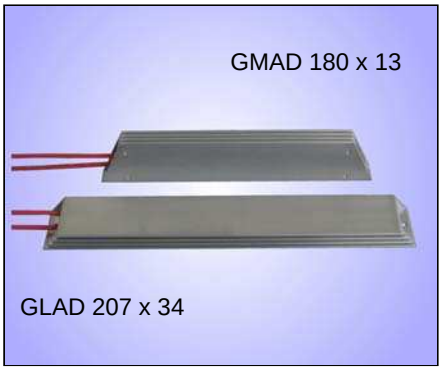
Type series GLAD, GMAD, 40 – 165 W, IP 40, profile x34 and x13



800V DC | IP 40

Short-circuit proof wirewound flat resistor, degree of protection IP 40 in blank aluminium enclosure. Design with 2 PTRadox-wires, AWG 18/19 (0,82 mm²), 0,5 m long.

There are 4 versions available:
horizontal – type series GLAD
vertical – type series GMAD

③ optionally, type designation would be G.ADU.., e.g. GLADU 207x34 - 100

Technologies

- compact construction form in a rectangular profile with rib-shaped cooling
- short-circuit proof
- self-extinguishing
- degree of protection IP 40
- higher continuous dissipation by mounting directly onto heat sink or cooling surface

By mounting directly onto an appropriate cooling surface or onto a heat sink the continuous dissipation can be increased resp. the surface temperature can be lowered. Typical factors for an increase are 1,5 up to 5, depending on type, ventilation and size of the cooling surface or heat sink.

Application

Different applications derive from the various dimensions in width, height and length.

An important application is the use as braking resistor for motor/generator drive of motors with frequency converters. Because of their degree of protection the resistors can perfectly be integrated into frequency converters or switch cabinets.

Electrical and mechanical data

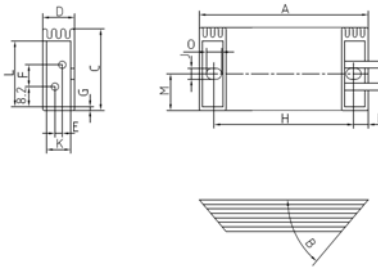
Type	continuous dissipation in W at 40°C, 100%DCF and surface excess temperature of		production range Ω–value		dimensions in mm							weight in g
	200 K typical -power	250 K	from	up to	A	B	C	D	G	H	J	
GLAD 100x34	40	60	1,0	3,3k	100	50	34	13	1,5	88	4,5	100
GLAD 180x34	85	125	1,5	4,7k	180	50	34	13	1,5	168	4,5	150
GLAD 207x34	100	150	2,2	6,8k	207	50	34	13	1,5	195	4,5	180
GLAD 230x34	110	165	3,3	10k	230	50	34	13	1,5	218	4,5	200
GMAD 100x13	40	60	1,0	3,3k	100	65	34	13	1,5	88	4,5	100
GMAD 180x13	85	125	1,5	4,7k	180	65	34	13	1,5	168	4,5	150
GMAD 207x13	100	150	2,2	6,8k	207	65	34	13	1,5	195	4,5	180
GMAD 230x13	110	165	3,3	10k	230	65	34	13	1,5	218	4,5	200

The given power rating values are valid for 100%CD (continuous dissipation). For short time operation you will find the values in the following table as a function of the duty cycle factor (DCF). Just multiply by the corresponding overload factor (OLF). (Also see pages T306E and T307E).

ED	60%	40%	25%	15%	6%	3%	1%
ÜF	1,5	2,2	3,0	4,2	8,2	13	22

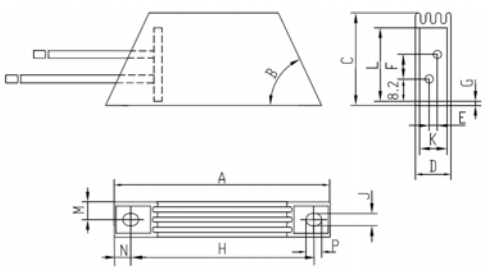
These overload factors are valid for a total cycle time of maximum 120 s.

GLAD...



13 M 0573

GMAD...



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