



Type series GXAD / GXMD

100 – 1125 W, IP 40, profile x80 and x120



GXAD 216 x 80



1100V DC

848V DC

IP 40



Short-circuit proof wirewound flat resistor, in blank aluminium enclosure. With different sizes and for different voltages. PT Design with 2 PTFE-wires, AWG 14/19 (mind. 1,9 mm²), 0,5 m long.

Type series: GXAD.. rated voltage max. 848 VDC

Type series: GXMD.. rated voltage max. 1100 VDC

③ optionally with different UL - certification, on page T305E, type designation would be GX.DU.. or GX.DQU.., e.g. GXADQU 160x80 - 100

Technologies

- rated voltage max.1100 VDC
- very flat, compact construction form
- short-circuit proof
- self-extinguishing
- degree of protection IP 40
- higher continuous dissipation by mounting directly onto heat sink or cooling surface
- compact construction form

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.

We provide various mounting brackets as accessories for different mounting types, see page T350E

Option: temperature switch (..Q)

This type can be fitted with a 180° C temperature switch for monitoring, which has 2 connection wires.

Type designation would be: GX.DQ ...

Application

E.g. as brake-resistor for frequency converters (fc). Based on the small sizes these resistors can be mounted directly to the housing of a fc.

Special design

- E.g. with higher protection degree IP54/67

You will find further examples on page T317E.

Electrical and mechanical data

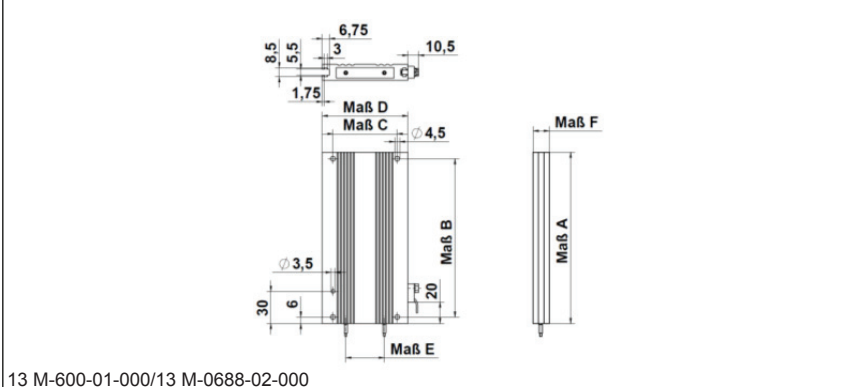
Type series	continuous dissipation in W at 40°C, 100%DCF and surface excess temperature of		production range Ω-value		dimensions in mm						weight in g
	200 K typical power	250 K	from	upto	A	B	C	D	E	F	
GXAD – 848V GXMD – 1100V	100	150	2,7	3,3k	110	98	60	80	26,2	15	300
	150	225	4,7	5,6k	160	148	60	80	26,2	15	420
	200	300	6,8	8,2k	216	204	60	80	26,2	15	550
	300	450	10,0	12k	320	2x154	60	80	26,2	15	850
	400	600	12,0	18k	420	2x204	60	80	26,2	15	1100
	500	750	18,0	22k	520	4x127	60	80	26,2	15	1350
	220	330	3,3	10k	160	148	100	120	35,8	20	820
	300	450	4,7	12k	216	204	100	120	35,8	20	1100
	450	675	6,8	22k	320	2x154	100	120	35,8	20	1630
	600	900	10,0	27k	420	2x204	100	120	35,8	20	2140
	750	1125	12,0	39k	520	4x127	100	120	35,8	20	2650

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.

GX.D..x80... (the figure shows the version with temperature switch (Q))



13 M-600-01-000/13 M-0688-02-000