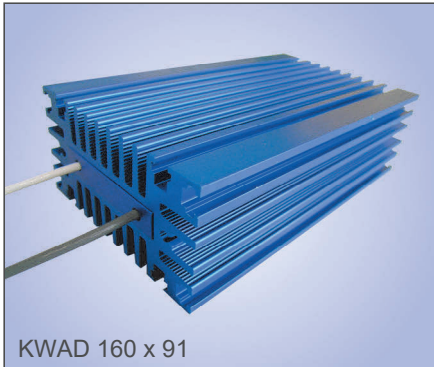




Type series KWAD.. / KYAD..

150 – 1575 W, IP 54 or IP 67,  
profile x91



KWAD 160 x 91



Short-circuit proof wirewound flat resistor in blue anodized aluminium enclosure. Design with 2 PTFE-wires, AWG 14/19 (1,9 mm<sup>2</sup>), 0,5 m long.

Version with degree of protection IP 54 – type series KWAD.. (standard version)  
Version with degree of protection IP 67 – type series KYAD..

optionally, type designation would be K.ADU or K.ADQU..., e.g. KWADQU 420x91 - 33

### Technologies

- extremely compact construction form
- short-circuit proof
- self-extinguishing
- degree of protection up to IP 67
- suited for rough environment
- easy mounting by T-slot

Please note: The type series K.AD have no mounting holes.

We provide various mounting brackets as accessories for different mounting types; see page T351E – T352 for further information.

### Option: Temperature switch (..Q) (only for type KW..Q.. – not for KY..)

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

Type designation would be: KWADQ ...

### Application

E.g. as brake resistor for frequency converters (fc). They are perfectly suited for rough environments because of their high degree of protection. With adequate mechanical protection of the wires, the resistors can be mounted outside the switch cabinets directly at the fc or motor.

### Special design

- E.g. with terminals, terminal box or screened wiring or in multiple combination for higher dissipation values. See pages T320E and T341E.

### Electrical and mechanical data

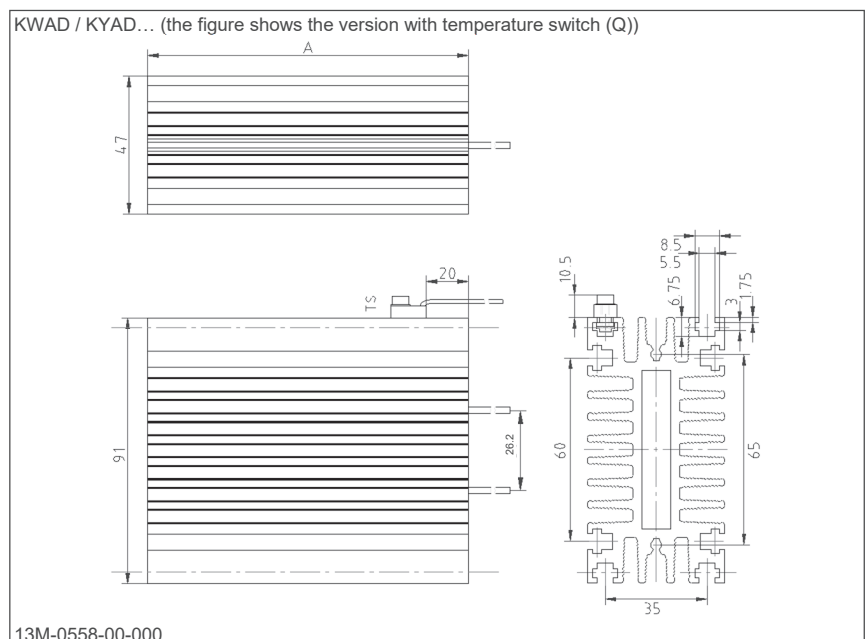
Type series	continuous dissipation in W at 40°C, 100% DCF and surface excess temperature of		production range Ω-value		dimensions in mm	weight in kg
	200 K typical power	250 K	from	up to		
KWAD – IP54 KYAD – IP67					A	
K. AD. 110 x 91	150	225	2,7	3,3k	110	0,7
K. AD. 160 x 91	225	340	4,7	5,6k	160	1,0
K. AD. 216 x 91	300	450	6,8	8,2k	216	1,4
K. AD. 320 x 91	450	675	10,0	12 k	320	2,0
K. AD. 420 x 91	600	900	12,0	18 k	420	2,6
K. AD. 520 x 91	750	1125	18,0	22 k	520	3,2
K. AD. 620 x 91	900	1350	22,0	27 k	620	3,8
K. AD. 720 x 91	1050	1575	33,0	33 k	720	4,4

NOTE: excess temperature values of 200 K should not be exceeded in order not to risk the degree of protection!

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	3,6	6,3	9,3	15

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



13M-0558-00-000