



Type series FZA / FZZA / FZDA

65 – 3000 W with cover



Cemented wirewound tubular fixed resistor in one-, two- or three-tubes design, degree of protection IP20 if mounted on an appropriate surface, with side-panels and perforated cover. Fixing parallel to mounting surface. Connections at screw clips at the resistor tube.

① if mounted on an appropriate surface

Technologies

- low price version protected against access to hazardous parts
- connections at screw clips at the resistor
- wall mounting or mounting on switch cabinets
- adjustable clips available

The given power values are valid for 100%DCF (continuous dissipation) at an ambient temperature of max. 40°C and a surface temperature (ST) of 300°C. The values can be increased by the factor 1,3. Then the ST will increase up to approx. 350°C.

The given power values can be essentially increased during short time operation as a function of the duty cycle factor (DCF) The peak power can be easily calculated. Just multiply the values by the corresponding overload factors (OLF) of this table:

DCF	60%	40%	25%	15%	6%
OLF	1,5	2,2	3,2	5,0	9,5

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

Application

An important application is the use as damping resistor in switch plants.

Various applications derive from the compact construction form for wall mounting and mounting on or in a switch cabinet or switch plant.

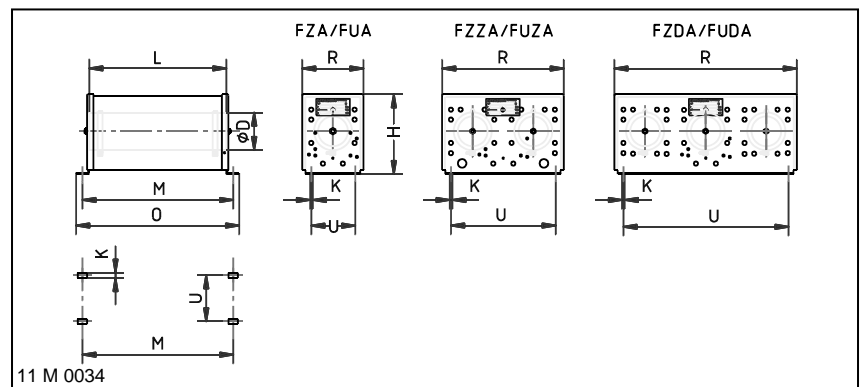
Special design

- with temperature switch (TS) – type designation then FZ.AQ, connection of the TS at fast-on connections 6,3 x 0,8
- with fast-on clips 6,3 x 0,8

Electrical and mechanical data

Type series	typical power in W at 40°C, 100% DCF	production range Ω-value		dimensions in mm						approx. weight in kg
		from	up to	H	K	M	O	R	U	
FZA 100x35	65	0,22	18k	77	4,5	122	137	66	44	0,5
FZA 135x35	100	0,33	10k	77	4,5	157	172	66	44	0,6
FZA 200x35	150	0,56	6,8k	77	4,5	222	237	66	44	0,7
FZA 330x35	250	1,0	4,7k	77	4,5	352	367	66	44	1,1
FZA 160x45	150	0,47	6,8k	87	5,8	186	206	75	48	0,7
FZA 200x45	180	0,68	5,6k	87	5,8	226	246	75	48	0,8
FZA 300x45	300	1,2	3,9k	87	5,8	326	346	75	48	1,1
FZA 300x65	430	6,8	2,7k	120	6,5	330	346	92	64	1,7
FZA 400x65	600	10	1,8k	120	6,5	430	446	92	64	2,2
FZA 500x65	800	12	1,5k	120	6,5	530	546	92	64	2,7
FZA 600x65	1000	15	1,0k	120	6,5	630	646	92	64	3,3
FZZA 300x65	860	3,9	1,2k	120	6,5	326	346	185	150	3,4
FZZA 400x65	1200	5,6	1,0k	120	6,5	426	446	185	150	4,2
FZZA 500x65	1600	6,8	680	120	6,5	526	546	185	150	5,1
FZZA 600x65	2000	8,2	560	120	6,5	626	646	185	150	6,1
FZDA 300x65	1300	2,7	820	120	6,5	326	346	275	240	5,4
FZDA 400x65	1800	3,3	560	120	6,5	426	446	275	240	6,4
FZDA 500x65	2400	3,9	470	120	6,5	526	546	275	240	7,4
FZDA 600x65	3000	5,6	390	120	6,5	626	646	275	240	8,7

For further details concerning the range of ohmic values with adjustable clips please see pages T109E/110E



Example:

Continuous dissipation 600 W, resistance value 25 Ω, with adjustable clips

Ordering designation:

FZA 400x65 F – 25