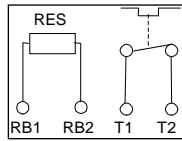
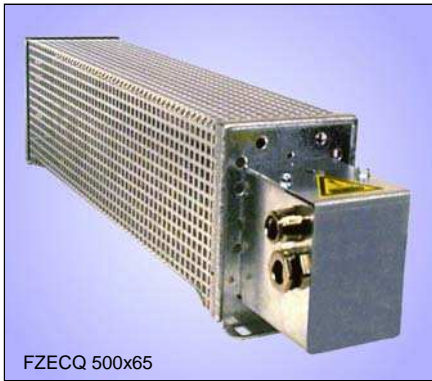




### Type series FZEC/FZCC/FZDC and FZVC/FZFC/FZSC



430 – 6000 W with terminal box



Cemented wirewound tubular fixed resistor in one- up to six-tube design, degree of protection IP20 if mounted on an appropriate surface, with side-panels and perforated cover. Fixing parallel to mounting surface. With two connections wired on terminals in attached terminal box with PG16-cable gland.

① if mounted on an appropriate surface

③ optional, type designation then FZ.C.U or FZ.CQU..

### Technologies

- version protected against access to hazardous parts
- connections at two-poles polyamide terminals G10/2 up to 60A
- wall mounting or mounting on switch cabinets

### Option: temperature switch (..Q)

This type can be equipped with a 180°C temperature switch (TS) (incl. M12 cable gland) for temperature monitoring. It is wired on device terminals G5 and monitors an overloading of the resistor by a normally closed contact free of potential (NCC). This signal has to be considered by the customer e.g. by a warning or disconnection of the mains.

**Warning:** There will not be a disconnection of the resistor!

Type designation then: FZ.CQ ...

Contact rating of the signal contact:

- 2 A / 24 VDC (DC11)
- 2 A / 230 VAC (AC11)

You will find suggestions for the dimensioning of the resistor for continuous and short term load at chapter Technical Details, pages T106E and T107E.

### Application

An important application is the use as braking resistor for motor/generator drive of motors with frequency converters, where medium ratings are required.

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

### Special design

- version of low inductance by bifilar winding and therefore of low noise
- with cage clamp terminals 1,5/2,5/4mm<sup>2</sup>

### Electrical and mechanical data

Type series FZ.C.. without TS	typical power in W at 40°C, 100% DCF	production range Ω-value		dimensions in mm					approx. weight in kg
		from	up to	H	M	O	R	U	
FZEC 200x65	300	4,7	3,3k	120	230	349	92	64	2,0
FZEC 300x65	430	6,8	2,7k	120	330	449	92	64	2,5
FZEC 400x65	600	10	1,8k	120	430	549	92	64	3,0
FZEC 500x65	800	12	1,5k	120	530	649	92	64	3,5
FZEC 600x65	1000	15	1,0k	120	630	749	92	64	4,0
FZCC 300x65	860	3,9	1,2k	120	330	449	185	150	4,0
FZCC 400x65	1200	5,6	1,0k	120	430	549	185	150	4,9
FZCC 500x65	1600	6,8	680	120	530	649	185	150	5,8
FZCC 600x65	2000	8,2	560	120	630	749	185	150	6,7
FZDC 300x65	1300	2,7	820	120	330	449	275	240	5,5
FZDC 400x65	1800	3,3	560	120	430	549	275	240	6,7
FZDC 500x65	2400	3,9	470	120	530	649	275	240	8,0
FZDC 600x65	3000	5,6	390	120	630	749	275	240	9,2
FZVC 400x65	2400	2,7	470	210	430	549	185	150	8,7
FZVC 500x65	3200	3,3	330	210	530	649	185	150	10,3
FZVC 600x65	4000	3,9	270	210	630	749	185	150	11,9
FZFC 400x65	3000	2,2	390	210	430	549	266	240	10,9
FZFC 500x65	4000	2,7	270	210	530	649	266	240	12,9
FZFC 600x65	5000	3,3	180	210	630	749	266	240	14,9
FZSC 400x65	3600	1,8	330	210	430	549	266	240	12,3
FZSC 500x65	4800	2,2	220	210	530	649	266	240	14,6
FZSC 600x65	6000	2,7	180	210	630	749	266	240	16,9

