



Type series FDWZ.. / FYWZ..

225 – 2520 W, IP 54 or IP65, in aluminium enclosure, with terminals and terminal box



Short-circuit proof wirewound flat resistor in single, double or triple configuration. Degree of protection IP 54 or IP 65 in blue anodized aluminium enclosure. Design with terminals and strain relief by cable inlet in terminal box.

Version with protection degree IP 54 – type FDWZ.. (standard version)  
Version with protection degree IP 65 – type FYWZ..

### Technologies

- compact construction form
- short-circuit proof
- self-extinguishing
- degree of protection IP 54 or IP 65
- incl. terminals in terminal box

All connections are wired to G10 terminals in the mounted terminal box. A M25 cable gland can be used for cable inlet and strain relief.

**Option: Temperature switch (..Q)**  
(only for type series FDWZ.. – not for FYWZ..)

This type series can be fitted with a 180°C temperature switch for monitoring, which is wired on two terminals in the terminal box.

Type designation would be: FDWZQ...

### Application

E.g. as brake resistor for servo- or frequency converters. Due to the terminals in the terminal box various connection conditions and a high degree of protection can be realized at the same time. Thus the resistors also can be mounted outside of switch cabinets at various environment conditions.

### Special design

- optionally with connection cable, screened or unscreened
- optionally for 1100V DC

### Electrical and mechanical data

Type series	continuous dissipation in W at 40°C, 100% DCF and surface excess temperature of 200 K	production range $\Omega$ -value		dimensions in mm						weight in kg
		from	tp to	A	B	C	D	E	F	
F.WZ.51201..	225	4,7	5,6k	245	100	34	90	110	90	1,9
F.WZ.51301..	300	6,8	8,2k	301	100	34	146	110	90	2,3
F.WZ.51401..	450	10,0	12 k	405	100	34	250	110	90	2,9
F.WZ.51501..	600	12,0	18 k	505	100	74	270	110	90	3,5
F.WZ.51601..	750	18,0	22 k	605	100	74	370	110	90	4,1
F.WZ.51701..	900	22,0	27 k	705	100	74	470	110	90	4,8
F.WZ.51801..	1050	33,0	33 k	805	100	74	570	110	90	5,4
F.WZ.51202..	360	4,7	5,6k	245	160	34	90	190	170	3,3
F.WZ.51302..	480	6,8	8,2k	301	160	34	146	190	170	4,0
F.WZ.51402..	720	10,0	12 k	405	160	34	250	190	170	5,2
F.WZ.51502..	960	12,0	18 k	505	160	74	270	190	170	6,5
F.WZ.51602..	1200	18,0	22 k	605	160	74	370	190	170	7,7
F.WZ.51702..	1440	22,0	27 k	705	160	74	470	190	170	9,0
F.WZ.51802..	1680	33,0	33 k	805	160	74	570	190	170	10,2
F.WZ.51203..	540	4,7	5,6k	245	200	34	90	270	250	4,7
F.WZ.51303..	720	6,8	8,2k	301	200	34	146	270	250	5,7
F.WZ.51403..	1080	10,0	12 k	405	200	34	250	270	250	7,7
F.WZ.51503..	1440	12,0	18 k	505	200	74	270	270	250	9,6
F.WZ.51603..	1800	18,0	22 k	605	200	74	370	270	250	11,4
F.WZ.51703..	2160	22,0	27 k	705	200	74	470	270	250	13,3
F.WZ.51803..	2520	33,0	33 k	805	200	74	570	270	250	15,2

