

Type series FDAZ.. / FYAZ..

160 – 4800 W, IP 54 or IP65, in aluminium enclosure, with terminals and terminal box



Short-circuit proof wirewound flat resistor in multiple configuration. Degree of protection IP 54 or IP 65 in blue anodized aluminium enclosure, with side plates and perforated cover. Fixing parallel to mounting surface. Design with terminals and strain relief provision in terminal box.

Version with protection degree IP 54 – type FDAZ.. (standard version)

Version with protection degree IP 65 – type FYAZ..

③ optionally, type designation would be F.AZ(Q)U..

Technologies

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

All connections run on ST4 up to ST10 terminals in the mounted terminal box. Cable gland M25 (up to 2,4 kW cont.diss.) or M32 can be used for cable inlet and strain relief.

Option: Temperature switch (..Q)
(only for type series FDAZ.. – not for FYAZ..)

This type series can be fitted with a 180°C temperature switch for monitoring (incl. M12 or M20 cable gland), which is wired on two terminals in the terminal box.

Type designation would be: FDAZQ...

Electrical and mechanical data

Type series	continuous dissipation in W at 40°C, 100% DCF and surface excess temperature of 200 K	production range Ω-value		dimensions in mm						weight in kg
		from	up to	L	H	M	O	R	U	
F.AZ.52102..	160	1,5	8,2 k	211	120	226	322	92	64	2,6
F.AZ.52202..	240	2,7	5,6 k	261	120	276	371	92	64	2,9
F.AZ.52302..	320	3,9	3,9 k	311	120	326	422	92	64	3,2
F.AZ.52402..	480	5,6	2,7 k	411	120	426	522	92	64	3,9
F.AZ.52502..	640	6,8	2,2 k	511	120	526	622	92	64	4,5
F.AZ.52602..	800	10,0	1,8 k	611	120	626	722	92	64	5,0
F.AZ.52204..	480	1,2	2,7 k	261	120	276	371	185	150	5,1
F.AZ.52304..	640	1,8	2,2 k	311	120	326	422	185	150	5,7
F.AZ.52404..	960	2,7	1,5 k	411	120	426	522	185	150	7,0
F.AZ.52504..	1280	3,3	1,0 k	511	120	526	622	185	150	8,1
F.AZ.52604..	1600	4,7	820	611	120	626	722	185	150	9,3
F.AZ.52506..	1920	2,2	680	511	120	526	622	275	240	11,1
F.AZ.52606..	2400	3,3	560	611	120	626	722	275	240	12,8
F.AZ.52508..	2560	1,5	560	511	210	526	635	185	150	14,4
F.AZ.52608..	3200	2,2	390	611	210	626	735	185	150	16,7
F.AZ.52512..	3840	1,2	330	511	210	526	635	266	240	19,9
F.AZ.52612..	4800	1,5	270	611	210	626	735	266	240	23,2

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 up to 1100V DC, also with UL possible

