

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. 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..

Technologies

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

All connections run on ST 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	290	92	64	2,3
F.AZ.52202..	240	2,7	5,6 k	261	120	276	340	92	64	2,6
F.AZ.52302..	320	3,9	3,9 k	311	120	326	390	92	64	2,9
F.AZ.52502..	640	6,8	2,2 k	511	120	526	590	92	64	3,8
F.AZ.52602..	800	10,0	1,8 k	611	120	626	690	92	64	4,5
F.AZ.52204..	480	1,2	2,7 k	261	120	276	340	185	150	3,6
F.AZ.52304..	640	1,8	2,2 k	311	120	326	390	185	150	4,2
F.AZ.52504..	1280	3,3	1,0 k	511	120	526	590	185	150	6,7
F.AZ.52604..	1600	4,7	820	611	120	626	690	185	150	7,9
F.AZ.52506..	1920	2,2	680	511	120	526	610	275	240	9,2
F.AZ.52606..	2400	3,3	560	611	120	626	710	275	240	10,9
F.AZ.52508..	2560	1,5	560	511	210	526	610	185	150	11,6
F.AZ.52608..	3200	2,2	390	611	210	626	710	185	150	13,9
F.AZ.52512..	3840	1,2	330	511	210	526	610	266	240	16,2
F.AZ.52612..	4800	1,5	270	611	210	626	710	266	240	19,5

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

