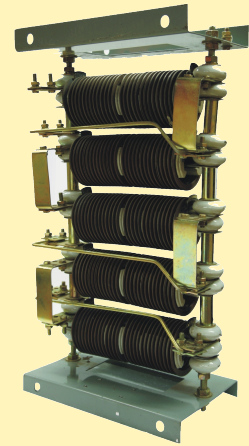


Edge Wound Resistor Fechral



Introduction Resistor - ZS-15

Fechral Edge Wound Resistor are used for starting, braking or discharging in distribution system of 50Hz AC rated voltage up to 660V and DC rated voltage up to 900 V. The resistors are made up of spiral tubular type resistor element which are shock proof & unbreakable. Resistance used for steel mill duty application for cranes also used as dynamic braking resistor.

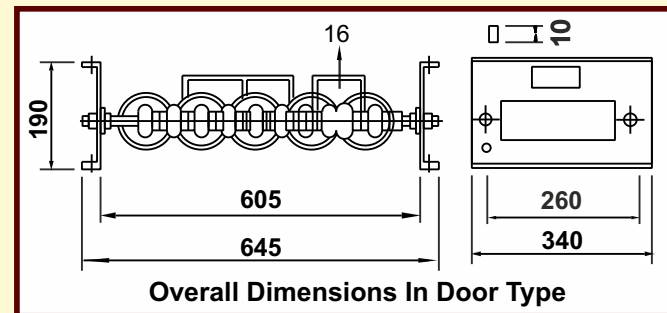


Technical Data

Dynamic Breaking Resistor

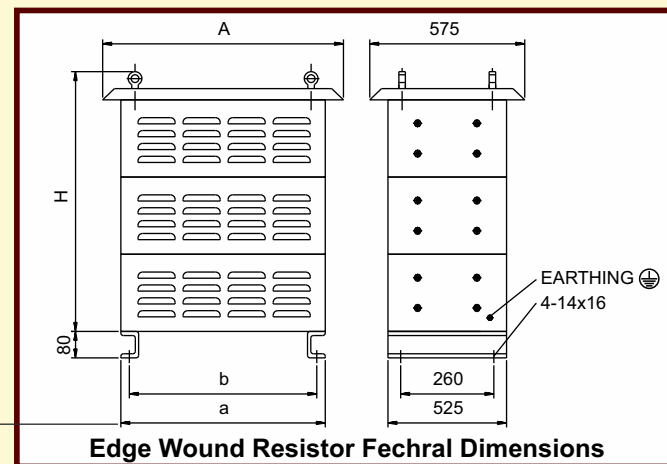
Type Of Resistor	Fechral edge Wound
Cooling	Natural Air cooled
Resistors Material	Fechral
Enclosure	Sheet Steel Painted / Galvanised
Mounting	Floor Mounting Horizontal
Cable Entry	Bottom
Protection Degree	IP-20 / IP-21 / IP-23 / IP-33.
Over Ambient Temperature	+40°C to -25°C
Current Rating	22 Amps - 500 Amps
Connections	Series / Parallel
Voltage	660 V / 900 V AC
Terminals	3/8" & 1/2"
Other Voltage	1100/3300 V on request
Average Temperature	< +35°C during 24 Hours.
Relative Humidity	Below 85% between +20°C,

Overall Dimensions In Door Type



Current Rating Chart For 375° Temperature Rise

Grid Type	Rated value (Ohms)	Current rating for various duty factors (Amps)		
		40 % ED	60 %ED	100 %ED
2ZY 8	0.04	326	284	234
2ZY 11	0.056	292	254	210
2ZY 16	0.08	232	202	166
ZY 8	0.08	163	142	117
ZY 11	0.112	146	127	105
ZY 16	0.16	116	101	83
ZY 24	0.24	98	85	70
ZY 32	0.32	82	71	59
ZY 42	0.42	70	61	50
ZY 60	0.6	59	51	43
ZY 84	0.84	50	44	36
ZY 112	1.12	44	38	32
ZY 160	1.6	36	32	26
ZY 220	2.2	30	26	22



Dimensional Details

Unit Size	A	a	b	Unit Size	A	a	b	H
Y1	710	645	605	Z1	900	850	810	280
Y2	710	645	605	Z2	900	850	810	520
Y3	710	645	605	Z3	900	850	810	780
Y4	710	645	605	Z4	900	850	810	1040
Y5	710	645	605	Z5	900	850	810	1300
Y6	710	645	605	Z6	900	850	810	1560