

ZX20 resistor

Applications

- **Starting of slipping motors**
Winder, Pump and Mill Applications
- **AC & DC crane resistors**
Hoist, Long & Cross Travel applications
- **Thyristor controller resistor**
- **VSD dynamic braking resistors**
Winder and Mill applications
AC Drive Crane Hoist and Travel Applications
Industrial printing and machine applications
- **Neutral and Earthing resistors**
- **Magnet resistors**

ZX20 Resistor Range

Ampere ratings per NEMA class

TYPE	Ohm Value	Cont.	170	160	150	140	130
ZX20 - 0.12	0.12	245	337	399	460	565	658
ZX20 - 0.144	0.144	223	310	365	420	515	606
ZX20 - 0.168	0.168	204	283	330	398	467	555
ZX20 - 0.196	0.196	185	258	302	365	426	506
ZX20 - 0.24	0.24	171	238	277	336	391	462
ZX20 - 0.336	0.336	146	202	237	273	336	396
ZX20 - 0.408	0.408	131	186	217	254	315	365
ZX20 - 0.48	0.48	123	172	200	238	298	338
ZX20 - 0.624	0.624	108	157	185	218	267	307
ZX20 - 0.672	0.672	103	144	170	202	246	280
ZX20 - 0.782	0.782	93	132	156	184	222	258
ZX20 - 0.96	0.96	87	123	144	170	206	240
ZX20 - 1.05	1.05	81	112	130	155	188	226
ZX20 - 1.32	1.32	74	104	120	145	174	204
ZX20 - 1.68	1.68	67	93	110	130	159	185
ZX20 - 1.94	1.94	62	85	103	120	148	170
ZX20 - 2.64	2.64	53	76	90	103	129	148
ZX20 - 5.04	5.04	35	45	53	62	79	88
ZX20 - 7.44	7.44	32	37	43	51	60	70
ZX20 - 12	12	24	30	34	40	48	55

MH Automation's type **ZX20 Stainless Steel resistor** grids are robust, reliable units specifically suited to extreme and demanding production environments.

They have been supplied successfully to various heavy duty industries in a variety of applications, consistently providing reliability and long service life.



- Grids are manufactured from **high quality stainless steel**, specifically selected to ensure negligible ohm value changes across the given temperature range.
- The industrial pattern grid format provides **excellent heat radiating properties**, ensuring the resistance provides sufficient cooling.
- **Multiple tapping points** ensure flexibility of resistors.
- Can be installed 1000m above sea level at an **ambient temperature of 45°C** with a humidity of <85% daily.
- Properties of the grids are **stable, corrosion resistant** and have a **small coefficient of temperature deviation**.
- Standard Resistor panels and Resistor base dimensions can be changed to meet customer expectations as required. (POA)

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MH Automation type ZX20 resistor NEMA Ratings

NEMA class amp rating (cycle: 60 Sec)

Short Time Duty (Sec)

TYPE	Element Ohms	Ohm Value	Cont.	NEMA class amp rating (cycle: 60 Sec)						Short Time Duty (Sec)				
				170	160	150	140	130	110	5S	10S	15S	20S	30S
ZX20 - 0.12	0.005	0.12	245	337	399	460	565	658	920	1,881	1,320	1,072	937	769
ZX20 - 0.144	0.006	0.144	223	310	365	420	515	606	826	1,646	1,165	949	829	681
ZX20 - 0.168	0.007	0.168	204	283	330	398	467	555	746	1,411	1,010	826	721	594
ZX20 - 0.196	0.008	0.196	185	258	302	365	426	506	680	1,269	908	743	646	533
ZX20 - 0.24	0.010	0.24	171	238	277	336	391	462	619	1,128	807	660	572	472
ZX20 - 0.336	0.014	0.336	146	202	237	273	336	396	529	972	688	566	493	408
ZX20 - 0.408	0.018	0.408	131	186	217	254	315	365	490	911	644	530	461	381
ZX20 - 0.48	0.021	0.48	123	172	200	238	298	338	455	851	600	494	430	354
ZX20 - 0.624	0.027	0.624	108	157	185	218	267	307	414	748	528	435	379	312
ZX20 - 0.672	0.029	0.672	103	144	170	202	246	280	377	645	457	376	328	271
ZX20 - 0.782	0.034	0.782	93	132	156	184	222	258	345	612	433	356	311	256
ZX20 - 0.96	0.042	0.96	87	123	144	170	206	240	317	579	410	337	294	241
ZX20 - 1.05	0.046	1.05	81	112	130	155	188	226	288	514	365	300	261	215
ZX20 - 1.32	0.057	1.32	74	104	120	145	174	204	264	449	321	263	228	189
ZX20 - 1.68	0.073	1.68	67	93	110	130	159	185	241	398	285	234	203	168
ZX20 - 1.94	0.084	1.94	62	85	103	120	148	170	223	347	249	205	178	148
ZX20 - 2.64	0.11	2.64	53	76	90	103	129	148	190	336	241	197	171	141
ZX20 - 5.04	0.22	5.04	35	45	53	62	79	88	106	223	159	131	114	94
ZX20 - 7.44	0.32	7.44	32	37	43	51	60	70	82	192	135	112	97	81
ZX20 - 12	0.52	12	24	30	34	40	48	55	68	112	80	66	58	48

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