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Accessories

Brake resistors HLR01



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Brake resistors ■ HLR01

For the use of HCS03 converters in regenerative operation, we offer a selection of particularly compact brake resistors for various different levels of power consumption. The brake resistor is mounted directly above the converter. This space-saving arrangement also simplifies the installation work. At the same time, the converter's extracted air flow makes an effective cooling system. The robust construction and high dielectric strength of the resistor elements enable extreme pulse loading. The resistor elements are flameproof and are protected from harmful environmental factors by their full encapsulation.

Technical data

Type	Energy consumption [kWs]	Braking power				Braking resistance Ω
		Duration [kW]	Max. [kW]	$t_{\text{On time}}$ [s]	$t_{\text{Cycle time}}$ [s]	
HLR01.1N-01K6-N18R0	109	1.6	34	3.3	120	20
HLR01.1N-01K8-N40R0	72	1.8	18	4	120	43
HLR01.1N-02K0-N15R0	137	2	40	3.4	120	16.7
HLR01.1N-02K4-N28R0	100.8	2.4	26	3.88	120	30
HLR01.1N-03K5-N16R0	180	3.5	40	4.5	120	18.8
HLR01.1N-03K5-N19R0	252	3.5	31	8	120	21.3
HLR01.1N-03K8-N40R0	300	3.8	18	16.67	120	43
HLR01.1N-0300-N17R5	37	0.3	37	1	120	20.5
HLR01.1N-04K5-N07R4	246	4.5	81	3	120	8.3
HLR01.1N-04K5-N18R0	432	4.5	33	13	120	20.2
HLR01.1N-0470-N11R7	56	0.47	56	1	120	13.7
HLR01.1N-05K0-N15R0	360	5	40	9	120	16.9
HLR01.1N-05K5-N28R0	420	5.5	26	16.16	120	30
HLR01.1N-06K5-N06R1	356	6.5	98	3.6	120	7
HLR01.1N-06K5-N18R0	686	6.5	33	21	120	20.2
HLR01.1N-07K0-N14R0	672	7	43	16	120	15.7
HLR01.1N-0780-N07R0	93	0.78	93	1	120	8.2
HLR01.1N-08K0-N06R0	660	8	105	6.3	120	7.06
HLR01.1N-08K5-N08R0	612	8.5	75	8.2	120	9
HLR01.1N-09K5-N13R0	1,003	9.5	46	22	120	14.6
HLR01.1N-1K08-N05R0	130	1.08	130	1	120	5.8

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		Duration [kW]	Max. [kW]	t _{On time} [s]	t _{Cycle time} [s]	
HLR01.1N-10K0-N18R0	1,080	10	33	32	120	20.2
HLR01.1N-11K0-N07R3	1,056	11	82	13	120	8.2
HLR01.1N-12K5-N05R5	900	12.5	109	8.3	120	6
HLR01.1N-14K5-N13R0	1,566	14.5	4	34	120	14.6
HLR01.1N-15K0-N08R1	1,584	15	74	21	120	9.1
HLR01.1N-17K0-N05R1	1,632	17	117	14	120	6
HLR01.1N-23K0-N05R5	2,429	23	109	22	120	6
HLR01.1N-24K0-N07R2	2,592	24	83	31	120	8.1
HLR01.1N-36K0-N05R4	3,888	36	111	35	120	6

Dimensions

Type	Width B	Height H	Depth T	Weight
	[mm]	[mm]	[mm]	[kg]
HLR01.1N-01K6-N18R0	185	649	120	5.2
HLR01.1N-01K8-N40R0	275	549	120	6.6
HLR01.1N-02K0-N15R0	185	749	120	6.2
HLR01.1N-02K4-N28R0	275	649	120	7.9
HLR01.1N-03K5-N16R0	295	270	490	9.5
HLR01.1N-03K5-N19R0	300	270	490	9.5
HLR01.1N-03K8-N40R0	490	270	300	9.5
HLR01.1N-0300-N17R5	123	300	196	3
HLR01.1N-04K5-N07R4	300	270	490	9.5
HLR01.1N-04K5-N18R0	400	270	490	13
HLR01.1N-0470-N11R7	223	300	210	4.5
HLR01.1N-05K0-N15R0	400	270	490	13
HLR01.1N-05K5-N28R0	185	649	120	13
HLR01.1N-06K5-N06R1	400	270	490	13
HLR01.1N-06K5-N18R0	400	270	490	13
HLR01.1N-07K0-N14R0	600	270	490	22
HLR01.1N-0780-N07R0	223	300	210	5.5
HLR01.1N-08K0-N06R0	595	270	490	16
HLR01.1N-08K5-N08R0	600	270	490	22
HLR01.1N-09K5-N13R0	600	270	490	22
HLR01.1N-1K08-N05R0	350	300	220	8
HLR01.1N-10K0-N18R0	600	270	490	22
HLR01.1N-11K0-N07R3	600	270	490	22
HLR01.1N-12K5-N05R5	800	270	490	33
HLR01.1N-14K5-N13R0	800	270	490	33

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Type	Width B	Height H	Depth T	Weight
	[mm]	[mm]	[mm]	[kg]
HLR01.1N-15K0-N08R1	800	270	490	33
HLR01.1N-17K0-N05R1	1,000	270	490	43
HLR01.1N-23K0-N05R5	595	710	490	56
HLR01.1N-24K0-N07R2	795	710	490	80
HLR01.1N-36K0-N05R4	995	710	490	93

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It must be remembered that our products are subject to a natural process of wear and aging.