



## BRU Series Datasheet

### Braking Resistor Box

#### ORDERING CODE-Example

New SAP Part Nr.:

<b>BRU</b>	<b>10D</b>	<b>J</b>	<b>B</b>	<b>-</b>	<b>SM-</b>	<b>30R</b>	<b>AA</b>
Serie	Power rating	Tol. J = ±5% K = ±10%	Pack-Code B = (Bulk)	TCR - Base on spec.	Forming type SM- = Special mounting	R Value	Special AA = Standard

Historical VTM Part Nr.:

<b>BRU</b>	<b>10KW</b>	<b>5</b>	<b>B</b>	<b>30R</b>
Type	Rated Power	Tol.	Pack-Code	R Value

#### APPLICATIONS

- Transportation
- Industrial
- Alternative Energy

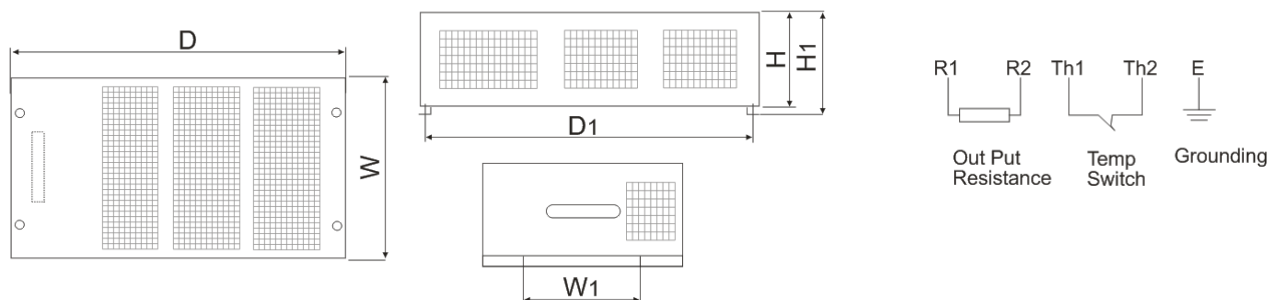
#### FEATURES

- Combine with flexible. Long service life
- Heat-protector
- High Voltage capability
- Brake Resistor
- RoHs and REACH Compliant

#### ELECTRICAL SPECIFICATIONS

Type		BRU20C	BRU30C	BRU45C	BRU48C	BRU60C	BRU80C	BRU10D	BRU16D	BRU20D
Historical Part Number		BRU2KW	BRU3KW	BRU4,5KW	BRU4,8KW	BRU6KW	BRU8KW	BRU10KW	BRU16KW	BRU20KW
Nominal Power Rating	P <sub>40</sub>	[KW] 2,4	3,0	4,5	4,8	6,0	8,0	10,0	16,0	20,0
Resistance Range (Other values upon request)	[Ω]	Min.	OR4							
		Max.	1K							
E-Series (preferred)		E24 (Other upon request)								
Tolerances	±[%]	5 = J ; 10 = K (For values below 1R only tol. ±10%)								
Working Temperature Range	[°C]	-55 ... +220								
Insulation Resistance IEC60115-1 clause 4.6	[MΩ]	≥100								
Dielectric Withstanding Voltage IEC115-1 clause 4.7 (50 [Hz],5[sec])	[V] <sub>RMS</sub>	3000								

#### DIMENSIONS [mm]



Type	Historical P/N:	W ±3	D ±3	H ±3	H1 ±4	D1 ±4	W1 ±4
BRU20C	BRU2KW	251	500	117	147	480	180
BRU30C	BRU3KW	381	500	132	161	480	240
BRU45C	BRU4,5KW	341	600	142	172	560	291
BRU48C	BRU4,8KW	341	600	142	172	560	291
BRU60C	BRU6KW	341	600	142	172	560	291
BRU80C	BRU8KW	410,5	685	142	172	642	340
BRU10D	BRU10KW	410,5	685	142	172	642	340
BRU16D	BRU16KW	410,5	685	142	344	642	340
BRU20D	BRU20KW	410,5	685	142	344	642	340

Terminal	Weight <sup>±10[%]</sup> [kg]	Cable [mm <sup>2</sup> ]	Combination
M6	7,3	6	600w-4
M6	9,5	6	750w-4
M6	12,5	10	1.5w-4
M6	12,5	10	1.5w-4
M6	12,5	10	1.5w-4
M6	15,4	10	2.0w-4
M6	17,2	10	2.0w-5
M6	30,8	16	8.0w-2
M6	34,4	16	10.0w-2