

# BLORE BOWRON

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## Standard Encapsulated P.C.B. Mounting Transformers 0.5VA To 55VA Fully Approved

A comprehensive range of high quality PCB mounting encapsulated mains transformers, with 230v primary windings and a choice of single or twin secondary windings, which can be connected in series / parallel or centre tapped configurations to provide a wide range output voltage / current combinations.

The transformers in the ranges 0.5VA to 2.6VA (ta 70°C) are inherently short circuit proof and all types are certificated, designed and tested to meet the requirements of EN61558 / VDE0570 / ENEC10 / CSA / UL. Manufactured using split bobbin construction and vacuum encapsulation.



# Encapsulated P.C.B Fully Mounting Transformers 0.5VA to 55VA

Single Secondary Winding						Twin Secondary Winding					
VA Rating	Input Volts	Output Volts (RMS)	Pin Connections Pry / Sec	Pin Layout Drawing	Part Number	VA Rating	Input Volts	Output Volts (RMS)	Pin Connections Pry / Sec / Sec	Pin Layout Drawing	Part Number
EI30x5 0.5VA	230v	6v	1+5 / 7+9	1	M1001	EI30x5 0.5VA	230v	6v + 6v	1+5 / 6 + 7 / 9+10	1	M2001
	230v	7.5v	1+5 / 7+9	1	M1002		230v	7.5v + 7.5v	1+5 / 6 + 7 / 9+10	1	M2002
	230v	9v	1+5 / 7+9	1	M1003		230v	9v + 9v	1+5 / 6 + 7 / 9+10	1	M2003
	230v	12v	1+5 / 7+9	1	M1004		230v	12v + 12v	1+5 / 6 + 7 / 9+10	1	M2004
	230v	15v	1+5 / 7+9	1	M1005		230v	15v + 15v	1+5 / 6 + 7 / 9+10	1	M2005
	230v	18v	1+5 / 7+9	1	M1006		230v	18v + 18v	1+5 / 6 + 7 / 9+10	1	M2006
	230v	24v	1+5 / 7+9	1	M1007		230v	24v + 24v	1+5 / 6 + 7 / 9+10	1	M2007
EI30x12.5 1.5VA	230v	6v	1+5 / 7+9	1	M1011	EI30x12.5 1.5VA	230v	6v + 6v	1+5 / 6 + 7 / 9+10	1	M2011
	230v	7.5v	1+5 / 7+9	1	M1012		230v	7.5v + 7.5v	1+5 / 6 + 7 / 9+10	1	M2012
	230v	9v	1+5 / 7+9	1	M1013		230v	9v + 9v	1+5 / 6 + 7 / 9+10	1	M2013
	230v	12v	1+5 / 7+9	1	M1014		230v	12v + 12v	1+5 / 6 + 7 / 9+10	1	M2014
	230v	15v	1+5 / 7+9	1	M1015		230v	15v + 15v	1+5 / 6 + 7 / 9+10	1	M2015
	230v	18v	1+5 / 7+9	1	M1016		230v	18v + 18v	1+5 / 6 + 7 / 9+10	1	M2016
	230v	24v	1+5 / 7+9	1	M1017		230v	24v + 24v	1+5 / 6 + 7 / 9+10	1	M2017
EI30x15.5 2.0VA	230v	6v	1+5 / 7+9	1	M1021	EI30x15.5 2.0VA	230v	6v + 6v	1+5 / 6 + 7 / 9+10	1	M2021
	230v	7.5v	1+5 / 7+9	1	M1022		230v	7.5v + 7.5v	1+5 / 6 + 7 / 9+10	1	M2022
	230v	9v	1+5 / 7+9	1	M1023		230v	9v + 9v	1+5 / 6 + 7 / 9+10	1	M2023
	230v	12v	1+5 / 7+9	1	M1024		230v	12v + 12v	1+5 / 6 + 7 / 9+10	1	M2024
	230v	15v	1+5 / 7+9	1	M1025		230v	15v + 15v	1+5 / 6 + 7 / 9+10	1	M2025
	230v	18v	1+5 / 7+9	1	M1026		230v	18v + 18v	1+5 / 6 + 7 / 9+10	1	M2026
	230v	24v	1+5 / 7+9	1	M1027		230v	24v + 24v	1+5 / 6 + 7 / 9+10	1	M2027
EI30x18 2.3VA	230v	6v	1+5 / 7+9	1	M1031	EI30x18 2.3VA	230v	6v + 6v	1+5 / 6 + 7 / 9+10	1	M2031
	230v	7.5v	1+5 / 7+9	1	M1032		230v	7.5v + 7.5v	1+5 / 6 + 7 / 9+10	1	M2032
	230v	9v	1+5 / 7+9	1	M1033		230v	9v + 9v	1+5 / 6 + 7 / 9+10	1	M2033
	230v	12v	1+5 / 7+9	1	M1034		230v	12v + 12v	1+5 / 6 + 7 / 9+10	1	M2034
	230v	15v	1+5 / 7+9	1	M1035		230v	15v + 15v	1+5 / 6 + 7 / 9+10	1	M2035
	230v	18v	1+5 / 7+9	1	M1036		230v	18v + 18v	1+5 / 6 + 7 / 9+10	1	M2036
	230v	24v	1+5 / 7+9	1	M1037		230v	24v + 24v	1+5 / 6 + 7 / 9+10	1	M2037
EI30x24 2.6VA	230v	6v	1+5 / 7+9	1	M1041	EI30x24 2.6VA	230v	6v + 6v	1+5 / 6 + 7 / 9+10	1	M2041
	230v	7.5v	1+5 / 7+9	1	M1042		230v	7.5v + 7.5v	1+5 / 6 + 7 / 9+10	1	M2042
	230v	9v	1+5 / 7+9	1	M1043		230v	9v + 9v	1+5 / 6 + 7 / 9+10	1	M2043
	230v	12v	1+5 / 7+9	1	M1044		230v	12v + 12v	1+5 / 6 + 7 / 9+10	1	M2044
	230v	15v	1+5 / 7+9	1	M1045		230v	15v + 15v	1+5 / 6 + 7 / 9+10	1	M2045
	230v	18v	1+5 / 7+9	1	M1046		230v	18v + 18v	1+5 / 6 + 7 / 9+10	1	M2046
	230v	24v	1+5 / 7+9	1	M1047		230v	24v + 24v	1+5 / 6 + 7 / 9+10	1	M2047
EI38x13.6 3.2VA	230v	6v	1+5 / 7+9	2	M1051	EI38x13.6 3.2VA	230v	6v + 6v	1+5 / 6 + 7 / 9+10	2	M2051
	230v	7.5v	1+5 / 7+9	2	M1052		230v	7.5v + 7.5v	1+5 / 6 + 7 / 9+10	2	M2052
	230v	9v	1+5 / 7+9	2	M1053		230v	9v + 9v	1+5 / 6 + 7 / 9+10	2	M2053
	230v	12v	1+5 / 7+9	2	M1054		230v	12v + 12v	1+5 / 6 + 7 / 9+10	2	M2054
	230v	15v	1+5 / 7+9	2	M1055		230v	15v + 15v	1+5 / 6 + 7 / 9+10	2	M2055
	230v	18v	1+5 / 7+9	2	M1056		230v	18v + 18v	1+5 / 6 + 7 / 9+10	2	M2056
	230v	24v	1+5 / 7+9	2	M1057		230v	24v + 24v	1+5 / 6 + 7 / 9+10	2	M2057
EI42x14.8 5VA	230v	6v	1+5 / 7+9	3	M1061	EI42x14.8 5VA	230v	6v + 6v	1+5 / 6 + 7 / 9+10	3	M2061
	230v	7.5v	1+5 / 7+9	3	M1062		230v	7.5v + 7.5v	1+5 / 6 + 7 / 9+10	3	M2062
	230v	9v	1+5 / 7+9	3	M1063		230v	9v + 9v	1+5 / 6 + 7 / 9+10	3	M2063
	230v	12v	1+5 / 7+9	3	M1064		230v	12v + 12v	1+5 / 6 + 7 / 9+10	3	M2064
	230v	15v	1+5 / 7+9	3	M1065		230v	15v + 15v	1+5 / 6 + 7 / 9+10	3	M2065
	230v	18v	1+5 / 7+9	3	M1066		230v	18v + 18v	1+5 / 6 + 7 / 9+10	3	M2066
	230v	24v	1+5 / 7+9	3	M1067		230v	24v + 24v	1+5 / 6 + 7 / 9+10	3	M2067

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<b>EI48x16.8 10VA</b>	230v	6v	1+ 6 / 8 + 11	4	M1071	<b>EI48x16.8 10VA</b>	230v	6v + 6v	1+ 6 / 7+ 8 / 11+12	4	4	M2071
	230v	7.5v	1+ 6 / 8 + 11	4	M1072		230v	7.5v + 7.5v	1+ 6 / 7+ 8 / 11+12	4	4	M2072
	230v	9v	1+ 6 / 8 + 11	4	M1073		230v	9v + 9v	1+ 6 / 7+ 8 / 11+12	4	4	M2073
	230v	12v	1+ 6 / 8 + 11	4	M1074		230v	12v + 12v	1+ 6 / 7+ 8 / 11+12	4	4	M2074
	230v	15v	1+ 6 / 8 + 11	4	M1075		230v	15v + 15v	1+ 6 / 7+ 8 / 11+12	4	4	M2075
	230v	18v	1+ 6 / 8 + 11	4	M1076		230v	18v + 18v	1+ 6 / 7+ 8 / 11+12	4	4	M2076
	230v	24v	1+ 6 / 8 + 11	4	M1077		230v	24v + 24v	1+ 6 / 7+ 8 / 11+12	4	4	M2077
<b>EI54x18.8 16VA</b>	230v	6v	1+ 5 / 7+ 9	5	M1081	<b>EI54x18.8 16VA</b>	230v	6v + 6v	1+5 / 6 + 7 / 9+10	5	5	M2081
	230v	7.5v	1+ 5 / 7+ 9	5	M1082		230v	7.5v + 7.5v	1+5 / 6 + 7 / 9+10	5	5	M2082
	230v	9v	1+ 5 / 7+ 9	5	M1083		230v	9v + 9v	1+5 / 6 + 7 / 9+10	5	5	M2083
	230v	12v	1+ 5 / 7+ 9	5	M1084		230v	12v + 12v	1+5 / 6 + 7 / 9+10	5	5	M2084
	230v	15v	1+ 5 / 7+ 9	5	M1085		230v	15v + 15v	1+5 / 6 + 7 / 9+10	5	5	M2085
	230v	18v	1+ 5 / 7+ 9	5	M1086		230v	18v + 18v	1+5 / 6 + 7 / 9+10	5	5	M2086
	230v	24v	1+ 5 / 7+ 9	5	M1087		230v	24v + 24v	1+5 / 6 + 7 / 9+10	5	5	M2087
<b>EI66x23 34VA</b>	230v	6v	1+ 8 / 11+ 14	6	M1091	<b>EI66x23 35VA</b>	230v	6v + 6v	1+8 / 9+10 / 15+16	6	6	M2091
	230v	7.5v	1+ 8 / 11+ 14	6	M1092		230v	7.5v + 7.5v	1+8 / 9+10 / 15+16	6	6	M2092
	230v	9v	1+ 8 / 11+ 14	6	M1093		230v	9v + 9v	1+8 / 9+10 / 15+16	6	6	M2093
	230v	12v	1+ 8 / 11+ 14	6	M1094		230v	12v + 12v	1+8 / 9+10 / 15+16	6	6	M2094
	230v	15v	1+ 8 / 11+ 14	6	M1095		230v	15v + 15v	1+8 / 9+10 / 15+16	6	6	M2095
	230v	18v	1+ 8 / 11+ 14	6	M1096		230v	18v + 18v	1+8 / 9+10 / 15+16	6	6	M2096
	230v	24v	1+ 8 / 11+ 14	6	M1097		230v	24v + 24v	1+8 / 9+10 / 15+16	6	6	M2097
<b>EI66x34 55VA</b>	230v	6v	1+ 8 / 11+ 14	6	M1101	<b>EI66x34 55VA</b>	230v	6v + 6v	1+8 / 9+10 / 15+16	6	6	M2101
	230v	7.5v	1+ 8 / 11+ 14	6	M1102		230v	7.5v + 7.5v	1+8 / 9+10 / 15+16	6	6	M2102
	230v	9v	1+ 8 / 11+ 14	6	M1103		230v	9v + 9v	1+8 / 9+10 / 15+16	6	6	M2103
	230v	12v	1+ 8 / 11+ 14	6	M1104		230v	12v + 12v	1+8 / 9+10 / 15+16	6	6	M2104
	230v	15v	1+ 8 / 11+ 14	6	M1105		230v	15v + 15v	1+8 / 9+10 / 15+16	6	6	M2105
	230v	18v	1+ 8 / 11+ 14	6	M1106		230v	18v + 18v	1+8 / 9+10 / 15+16	6	6	M2106
	230v	24v	1+ 8 / 11+ 14	6	M1107		230v	24v + 24v	1+8 / 9+10 / 15+16	6	6	M2107

For conformance reasons transformers with 2x15v and 2x24v outputs should not have their secondaries connected in series

Not VDE Approved

Not classified as a safety transformer

Other primary and secondary voltage combinations are available upon request.

## Dimensions

TEMPERATURE CLASS ta70° C/B		0.5VA	1.5VA	2.0VA	2.3VA	2.6VA	3.2VA	5.0VA	10VA	16VA	34VA	55VA
WIDTH	A	32.5	32.5	32.5	32.5	32.5	41	44.5	50.5	57.7	70.6	70.6
LENGTH	B	27.5	27.5	27.5	27.5	27.5	34.5	37.7	42.5	48.2	59.5	59.5
HEIGHT	C	14.9	24	26.5	29.5	34.8	27.8	32.5	34.7	39.1	49	60
	D	11.5	20	22.5	25.5	31	23	25.7	28.5	32	40	51
	E	20	20	20	20	20	20	25	25	35	35	35
PIN ROW SEPARATION	F	20	20	20	20	20	25	27.5	27.5	30	35	35
MOUNTING DIMENSIONS	G								60.6	65	77.5	77.5
MOUNTING DIMENSIONS	L									37.7	47.5	47.5
NO' OF MOUNTING LUGS									2	4	4	4
MOUNTING HOLE SIZE	I								4.5	4.5	4.5	4.5
EXTREME DIMENSION	H								68.5	74.6	87	87
PIN DIAMETER	J	0.8	0.8	0.8	0.8	0.8	See Drg	0.8	0.8	0.8	See Drg	See Drg
WEIGHT	Kg	0.043	0.09	0.10	0.11	0.14	0.15	0.16	0.30	0.41	0.74	1.05
TRANSFORMER DIAGRAM		1	1	1	1	1	2	3	4	5	6	6

# Encapsulated P.C.B Fully Mounting Transformers 0.5VA to 55VA

