

Comparison of sizes of transformers for lowvoltage installations: 600 W safety transformer (above) and 100 W version (centre), 100 W electronic transformer (below).

Pn (W)	Wt. (kg)	l (mm)	w (mm)	h (mm)
20	0.5	120	56	50
50	1.0	155	56	50
100	1.8	210	56	50
150	2.6	220	90	90
300	5.5	290	150	130
600	9.2	310	150	130

20	Pv/Pn (%) 1				Open circuit
15						Full load
10						
5						
	20	50	100	150	300	600 Pn (W)

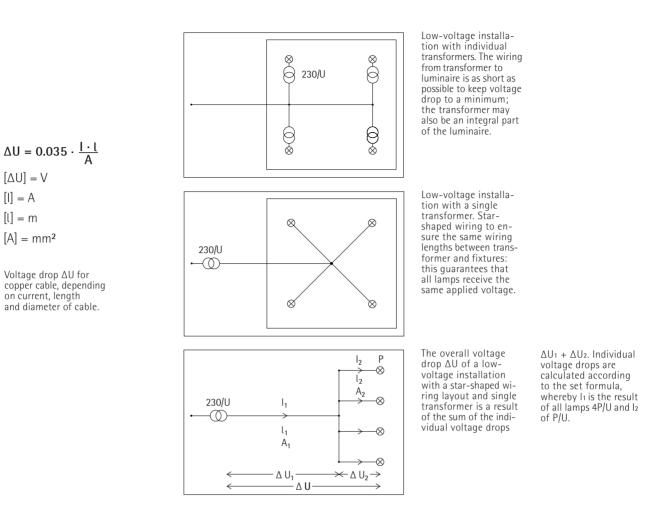
20	Pv/Pn (%	6)				Full Ioad
15						
10						
5						
	20	50	100	150	300	600 Pn (W)

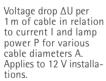
Relative power loss (Pv/P_n) of transformers of varying rated power Pn in the case of standard safety transformers (above) and electronic transformers (below). Data provided for open circuit and full-load operation.

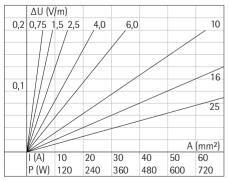
Pn (W)	Wt. (kg)	l (mm)	w (mm)	h (mm)
50	0.2	155	45	30
100	0.2	155	45	30

Rated power (Pn), weight (Wt.) and dimensions (I, w, h) of standard safety transformers (above) and electronic transformers (below).

2.4 Control gear and control equipment 2.4.4 Transformers







[I] = A

[l] = m

A (mm²)	I (A)
0.75	12
1.0	15
1.5	18
2.5	26
4.0	34
6.0	44
10.0	61
16.0	82
25.0	108

A (mm²)	n	d (mm)
1.5	2	10
	3	10
	5	11
2.5	2	11
	3	11
	5	13
4.0	3	13
	5	15

Limiting current I of multi-core conductors with diameter A.

Outer diameter d of sheathed cables of various cable diameters A with number n of cores.