

Environmental product declaration:

Transformer TRAF063/D 230/12-24, 63VA

Art. 5-091-000010

Producer:

Perry Electric. S.r.l.

Via Milanese 11,

22070 Veniano (CO) Italy

Phone: +39 031 89441

Mail: export2@perry.it

Description

Single-phase short circuit proof safety isolating transformer designed and tested according to norm EN61558-2-6. Separate insulated windings moulded in self-extinguishing Polyurethane. Short circuit protected with PTC. Designed for SELV installation which require safety isolating transformer approved according to the CE directives.

Material Declaration

Transformer weight is 1,46 kg with the following material.

Material	kg/trafo	kg/kVA
copper	0,28	4,44
electrical steel	0,87	13,8
construction steel	0	0
isolating material Mylar	0,009	0,143
Plastic ABS	0,106	1,68
polyurethane potting	0,113	1,79
other	0,082	1,3

Declaration environmental impact

The declaration has been performed according to guidelines in PSR 2000:6 international EPD system. The calculation is made with a calculated lifetime of 20 years and average load of 50%. Functional unit according to EPD system = 1kVA

Used resources (kg)

not renewable resources	production	use
according to material list	1,46	-
renewable resources		
	-	-
dangerous substances		
		-

Generated Waste

Dangerous waste	Kg/trafo	Kg/kVA
during production	0,0005	0,079
during use		
after use		
other waste		
during production		
during use		
after use	1,46	23,17
after use to recycling		

Recycling

The transformer consists mostly of metals and material that are possible to recycle and reuse (grade of recycling 80%). The transformer can be hand over to a approved recycling company or be returned to Noratel Sweden AB.

Energy consumption and losses	KWh/transformer		KWh/kVA	
	Production	Use	Production	Use
Electrical energy	0,222		3,52	