

Environmental product declaration:

Transformer TRAF015N2/D 230/12-24, 15VA
Art. 5-091-000011

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. Designed for SELV installation which require safety isolating transformer approved according to the CE directives.

Material Declaration

Transformer weight is 0,361 kg with the following material.

Material	kg/trafo	kg/kVA
copper	0,055	3,666
electrical steel	0,205	13,66
construction steel	0	0
isolating material Mylar	0	0
Plastic ABS	0,052	3,47
polyurethane potting	0,034	2,26
other	0,015	1

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	0,361	-
renewable resources		
	-	-
dangerous substances		
		-

Generated Waste

Dangerous waste	Kg/trafo	Kg/kVA
during production	0,0002	0,0133
during use		
after use		
other waste		
during production		
during use		
after use	0,361	24
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	0,127		8,46	