

## Environmental product declaration:

Transformer TRAF040N3/D 230/12-24, 40VA  
Art.

### Producer:

Perry Electric. S.r.l.  
Via Milanese 11,  
22070 Veniano (CO) Italy  
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## 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 0,89 kg with the following material.

Material	kg/trafo	kg/kVA
copper	0,118	2,95
electrical steel	0,575	13,625
construction steel	0	0
isolating material Mylar	0,007	0,175
Plastic ABS	0,07	1,75
polyurethane potting	0,058	1,45
other	0,062	1,55

## 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	0,86	-
renewable resources	-	-
dangerous substances	-	-

## Generated Waste

Dangerous waste	Kg/trafo	Kg/kVA
during production	0,0003	0,075
during use		
after use		
other waste		
during production		
during use		
after use	0,86	21,5
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	0,168		4,2	