



Environmental Product Declaration

Product

Device type	TXM1.16D
Designation	Digital input module
Range	TX-I/O™

Process control

Siemens Switzerland Ltd Building Technologies Division Gubelstrasse 22, CH-6301 Zug		
Management system certified	Since:	By:
ISO 14001 (Environment)	20 Oct. 1998	BSI
ISO 9001 (Quality)	22 July 1986	BSI

Environmentally compatible product design

The device was developed in compliance with Siemens standard SN36350, "Environmentally compatible products". This standard requires that the requirements for environmental protection be fulfilled at a level above the statutory minimum.

Product use

Typical energy consumption per year	Approx. 15 kWh
Maintenance	Not required
Environmental benefits	See notes on page 2

Environmental risk (fire)

Fire protection as per	UL864
Fire load	Approx. 3.7 MJ
Parts containing halogens (producing corrosive smoke)	PCB assemblies

Packaging

Paperboard, cardboard boxes, paper	Lock-bottom carton (20-PAP corrugated fiberboard)	21.9 g
	label (22-PAP paper)	0.1 g
Notes on disposal	RESY, can be recycled – notes on all important parts	

Materials		Total weight of device	199.9 g
Plastics	PC, Lexan 940, fiberglass-free and halogen free	Housing, housing cover, base, slide fitting, terminal and island bus cover, cable shield holder	97.6 g
	PC, Lexan 940A, fiberglass-free and halogen free	Frame with fiber optic cable, hinged cover and address key	10.3 g
Metals	Bronze STOL76	Contact springs	17.6 g
	CuFe 2P	Busbar	8 g
	Steel	Address springs, terminal cages, slide fittings, screws	32.4 g
Circuit boards with components	FR4, 8 % bromium TBBA		34 g

Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and should not be disposed of as unsorted municipal waste.

The relevant national legal rules are to be adhered to.

Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

Comments

Materials:

The device is free from substances banned by the Directive 2002/95/EC (RoHS):

- Pb, Hg, Cr6+, PBB, PBDE: < 0.1 % by weight in homogeneous materials
- Cd: < 0.01 % by weight in homogeneous materials.

The device is halogen-free except the PCBs (TBBA) .

The device does not contain anti-wetting substances. No release agents containing silicone were used in the manufacture of the plastic components.

Environmental benefits:

The TX I/O module is part of the building automation and control system ensuring precise control of temperature, humidity and pressure in one building. Precise control prevents excessive setpoints, keeping energy consumption to a minimum.

The I/O concept guarantees that the modules are effectively employed within a plant.

Legal disclaimer: This declaration is for information purposes only

This environmental product declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period. Siemens Switzerland Ltd therefore assumes no liability for any error or for any consequences which may arise from the use of this information.

If you require further specific information on environmental issues and on disposal, please contact your local Siemens branch office.