



## *Environmental Product Declaration*

<b>Product</b>	Type of equipment	<b>TXM1.6RL</b>	
	Designation	<b>Relay module bistable</b>	
	Product line	<b>TX-I/O</b>	
<b>Process control</b>	Siemens Switzerland Ltd Industry Sector Building Technologies Division Gubelstrasse 22, CH-6301 Zug		
	Management system certified	since	by
	ISO 14001 (environment)	<b>20.10.1998</b>	<b>SQS</b>
	ISO 9001 (quality)	<b>22.07.1986</b>	<b>SQS</b>
<b>Environmentally compatible product design</b>	Product responsibility of Siemens covers the entire product life cycle. Siemens already assess, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying Siemens Standard SN 36350 "Environmentally compatible products".		
<b>Product use</b>	Typical energy consumption per year	<b>Approx. 5.8 kWh/a</b>	
	Maintenance	<b>Not necessary</b>	
<b>Risk of fire</b>	Fire protection according to	<b>EN 60730</b>	
	Fire load	<b>5 MJ</b>	
<b>Packaging</b>	20-PAP Corrugated board	Folded box with printing	<b>21 g</b>
	22-PAP Paper	Label	<b>1 g</b>
	Notes on disposal	Recyclable	

<b>Materials</b>		Total weight of device	<b>246g</b>
Plastics	PC	Housing Plug-in I/O module	<b>23 g</b>
	PC	Frame	<b>6 g</b>
	PC	Cover	<b>5 g</b>
	PC	Lid	<b>5 g</b>
	PC	Terminal base bottom	<b>15 g</b>
	PC	Terminal base top	<b>51 g</b>
	PC	Slider (2 x)	<b>5 g</b>
Metals	CuNi12Zn24, galvanized	Contact spring (12 x)	<b>12 g</b>
	CuFe 2P, all side AuCo, nickel sublayer	Island bus connector rail (4 x)	<b>8 g</b>
	CuSn, AuCo, nickel sublayer	Island bus T-connector (4 x)	<b>2 g</b>
	Steel C10	Terminal cage (12 x)	<b>7 g</b>
	Steel 12.9, galvanized	Terminal screw (12 x)	<b>4 g</b>
PCB assembled	FR4, CEM3, TBBA, SnAgCu solder	PCB	<b>106 g</b>
<b>Special components</b>	W + AgSnO2	Relays with precious metal contacts (6 x)	(84 g)

Weights in brackets are already included in components declared under materials.

## 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 PCB (TBBA)

### Environmental Benefits:

Bistable relays consume no energy when switched on.

The TX I/O module is part of the building automation and control system ensuring precise control of HVAC functions and lighting.

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 Schweiz AG therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.