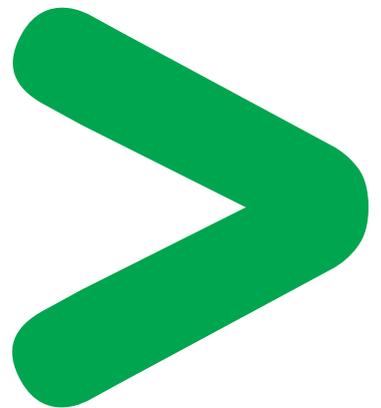


Product Environmental Profile

TCSECN300R2/TCSEK1MDRS/TCSEK3MDS
ConneXium cable assembly



Product Environmental Profile - PEP

Product Overview

Trademark of the product range

The products reviewed by this Product Environmental Profile are part of the ConneXium Ethernet Cabling System.

The range of product consists of Schneider Electric components for custom installations, i.e. provides a “do-it-yourself” cable installation solution to an Ethernet network.

Products represented by this profile

| =S= Part Number | Vendor Part Number | Description |
|-----------------|--------------------|-----------------------------------|
| TCSECN300R2 | YM509751SW985 | Raw Cable for Global Distribution |
| TCSEK1MDRS | TCSEK1MDRS | M12 Connector with Instructions |
| TCSEK3MDS | TCSEK3MDS | RJ45 Connector with Instructions |

Constituent materials

Dangerous substances banned by regulations
All relevant measures have been taken with our partners to ensure that the materials included in these products do not contain any quantities of substances banned by European regulations as referenced in the declaration relating to the use of dangerous substances; see Annexe 1. Also, see appendix - Phoenix Contact “Declaration on the restriction of certain substances.”

Manufacturing

- Belden
Corporate Headquarters
7701 Forsyth Boulevard, Suite 800
St. Louis, MO 63105
Manufacturing Facility
1211 Columbia Avenue
Monticello, Kentucky 42633
- Phoenix Contact GmbH & Co. KG
Flachsmarktstrasse 8
32825 Blomberg, Allemagne

Distribution

XXXXXXXXXXXX

Use

XXXXXXXXXXXX

End of life

These products do not contain electronic boards. At the end of their service life, products must be dismantled.
The proportion of recyclable material in the reference product is 100%. This percentage includes both ferrous and non-ferrous materials (approximately 60% by weight). The 40% of the product made up of thermoplastics not containing brominated flame retardants can be recovered.

Environmental impacts

An analysis has been made of the environmental impacts on the reference product life cycle.
It takes into account all stages of the product life cycle: production, distribution, use and EOLDismantling with recoverable material.

Product Environmental Profile - PEP

ANNEX 1: Declaration relating to the use of dangerous substances
All the relevant measures have been taken with our suppliers so that the materials included in our products do not contain any of the banned substances as defined below:

Asbestos:

The materials used in the products concerned by this declaration do not contain any asbestos, the marketing and use of which are governed by Directive 76/769/EEC published in Official Journal L262 on 27.09.1976 concerning the harmonization of legislative, regulatory and administrative measures of the member States in view of restricting the marketing and use of certain dangerous substances and preparations, amended by directives 83/478/EEC, Official Journal L263 of 24.09.1983, 85/610/EEC, Official Journal L375 of 31.12.1985 and 91/659/EEC, Official Journal L363 of 31.12.1991.

PCBs (Polychlorinated biphenyls) and PCTs (Polychlorinated terphenyls):

The transformers and capacitors used in some of the products concerned by this declaration do not contain more than 0.005% by weight of PCBs or PCTs, the marketing and use of which are governed by Directive 76/769/EEC published in Official Journal L262 on 27.09.1976 concerning the harmonization of legislative, regulatory and administrative measures of the member States in view of restricting the marketing and use of certain dangerous substances and preparations, amended by directives 82/828/EEC, Official Journal L350 of 10.12.82, 85/467/EEC, Official Journal L269 of 11.10.85 and 89/677/EEC, Official Journal L398 of 30.12.89.

Cadmium:

The plastic materials incorporated in the products concerned by this declaration do not contain more than 0.01% by weight of cadmium as a pigment or stabilizer, the marketing and use of which are governed by Directive 76/769/EEC published in Official Journal L262 on 27.09.1976 concerning the harmonization of legislative, regulatory and administrative measures of the member States in view of restricting the marketing and use of certain dangerous substances and preparations, amended by Directive 91/338/EEC, Official Journal L186 of 12.07.91.

Cadmium and lead:

The paints that may be used in the treatment of the materials incorporated in the products concerned by this declaration do not contain more than 0.1% weight of cadmium and do not contain any lead, the marketing and use of which are governed by Directive 76/769/EEC published in Official Journal L262 on 27.09.1976 concerning the harmonization of legislative, regulatory and administrative measures of the member States in view of restricting the marketing and use of certain dangerous substances and preparations, amended by Directive 89/677/EEC, Official Journal L398 of 30.12.89.

Mercury:

The batteries and accumulators that may be incorporated in the products concerned by this declaration do not contain more than 5 ppm weight of mercury, the marketing and use of which are governed by Directive 91/157/EEC published in Official Journal L78 of 26.03.91 relating to batteries and accumulators containing certain dangerous substances, amended by Directive 98/101/EEC, Official Journal L1 of 05.01.1999. Concentrations of lead, cadmium, mercury and hexavalent chromium in packaging:

The sum of the concentrations of lead, cadmium, mercury and hexavalent chromium in the original packaging used to give information on and deliver the products concerned by this declaration does not exceed 100 ppm, the limit set by Directive 94/62/EEC, Official Journal L365 of 31/12/1994, relating to packaging and packaging waste.

PentaBDE (pentabromodiphenylether), OctaBDE (octabromodiphenylether)

The materials incorporated in the products concerned by this declaration do not contain more than 0.1% weight of pentabromodiphenylether or octabromodiphenylether, the marketing and use of which are governed by Directive 76/769/EEC published in Official Journal L262 on 27.09.1976 concerning the harmonization of legislative, regulatory and administrative measures of the member States in view of restricting the marketing and use of certain dangerous substances and preparations, amended by Directive 2003/11/EEC, Official Journal L42 on 15.02.2003 Les matériaux incorporés dans les produits concernés par la présente déclaration ne contiennent pas plus de 0,1% (en poids)

Product Environmental Profile - PEP

System approach

As the product of the range are designed in accordance with the RoHS Directive (European Directive 2002/95/EC of 27 January 2003), they can be incorporated without any restriction within an assembly or an installation submitted to this Directive.

N.B.: please note that the environmental impacts of the product depend on the use and installation conditions of the product.

Impacts values given above are only valid within the context specified and cannot be directly used to draw up the environmental assessment of the installation.

Glossary

Raw Material Depletion (RMD)

This indicator quantifies the consumption of raw materials during the life cycle of the product. It is expressed as the fraction of natural resources that disappear each year, with respect to all the annual reserves of the material.

Energy Depletion (ED)

This indicator gives the quantity of energy consumed, whether it be from fossil, hydroelectric, nuclear or other sources. This indicator takes into account the energy from the material produced during combustion. It is expressed in MJ.

Water Depletion (WD)

This indicator calculates the volume of water consumed, including drinking water and water from industrial sources. It is expressed in dm³.

Global Warming (GW)

The global warming of the planet is the result of the increase in the greenhouse effect due to the sunlight reflected by the earth's surface being absorbed by certain gases known as "greenhouse-effect" gases. The effect is quantified in gram equivalent of CO₂.

Ozone Depletion (OD)

This indicator defines the contribution to the phenomenon of the disappearance of the stratospheric ozone layer due to the emission of certain specific gases. The effect is expressed in gram equivalent of CFC-11.

Photochemical Ozone Creation (POC)

This indicator quantifies the contribution to the "smog" phenomenon (the photochemical oxidation of certain gases which generates ozone) and is expressed in gram equivalent of ethylene (C₂H₄).

Air Acidification (AA)

The acid substances present in the atmosphere are carried by rain. A high level of acidity in the rain can cause damage to forests. The contribution of acidification is calculated using the acidification potentials of the substances concerned and is expressed in mode equivalent of H⁺.

Hazardous Waste Production (HWP)

This indicator calculates the quantity of specially treated waste created during all the life cycle phases (manufacturing, distribution and utilization). For example, special industrial waste in the manufacturing phase, waste associated with the production of electrical power, etc. It is expressed in kg.



We are committed to safeguarding our planet by "Combining innovation and continuous improvement to meet the new environmental challenges".

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This document is based on ISO 14020 which relates to the general principles of environmental declarations and the ISO 14025 technical report relating to type III environmental declarations. Product Environmental Profiles Drafting Guide version 12.

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