

JkJK

Cable list and test tool

Introduction

Concept of x

Concept of y

Functionnalities

Functionnality	State	Remarks
Vehicle type edition	Work in progress	
Connector edition	Work in progress	
Article edition	Work in progress	
Unit edition	Work in progress	
Link edition	Work in progress	
Versionning	Missing	
Test node edition	Work in progress	
Test (model) edition	Work in progress	
Test execution edition and API	Starting	

Versionning

On real life project, versionning is a very important feature. Imagine that many systems are allready produced, and that a new feature must be implemented. When used software does not provide versionning, there is needed to create documentation about modifications to do. This can be cumbersome and error prone.

Currently, no versionning is implemented. Adding such feature will request modifications in deep (database schema and C++ classes).

Create a project

The complete workflow

The complete workflow will show how we could use this tool in a project. We considere a project for witch we have to make the entire engeneering, for example for a modification on the electrical part of a system.

This requiers several tasks:

- Define what to modify
- Draw schemas
- Define components to add or change
- Dependent of the complexity, create cable lists
- Create documentation for continuity check
- Create documentation for comissioning

Create vehicle types

Create articles

Create connectors

Create units

Create test nodes

Create test (models)

Create test

Vehicle type

Connector

Article

The screenshot shows the 'Article edition' window with the following fields and table:

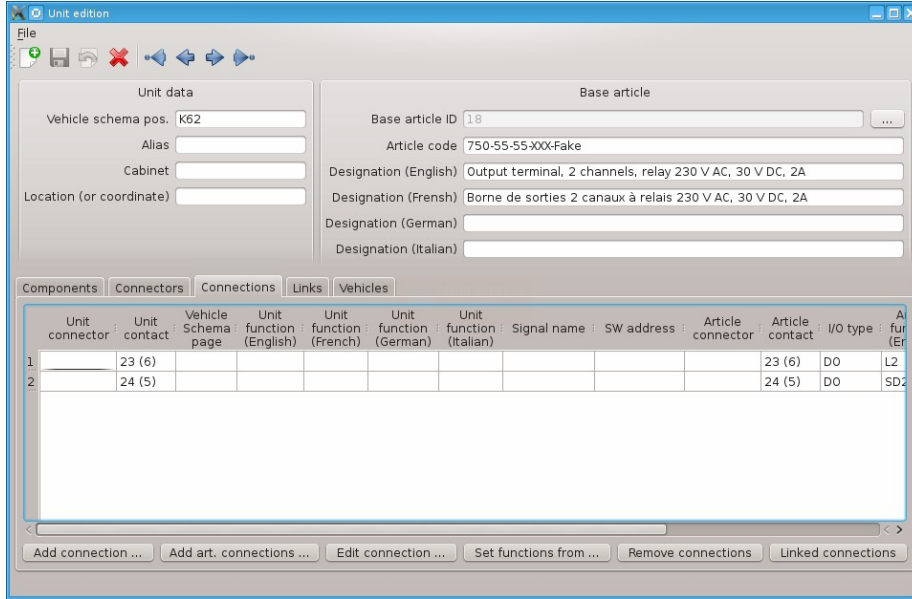
Article code (internal): 750-55-55-XXX-Fake
Designation (English): Output terminal, 2 channels, relay 230 V AC, 30 V DC,
Designation (German):
Designation (French): Borne de sorties 2 canaux à relais 230 V AC, 30 V DC, Manufacturer identification document
Designation (Italian):
Identification document (internal):
Unit: pce
Manufacturer: Wago
Type: 750
Code: 750-51.3

Connector	ectionType_Coc	Contact	I/O type	Function EN	FunctionFR	FunctionDE	FunctionIT
1	T	13 (2)	DO	L1	L1	L1	L1
2	T	14 (1)	DO	SD1	SD1	SD1	SD1
3	T	23 (6)	DO	L2	L2	L2	L2
4	T	24 (5)	DO	SD2	SD2	SD2	SD2
5	T	PE					

Buttons: Add connection ..., Edit connection ..., Remove connections

Article edition

Unit



Unit edition

Test node

Test connection cable