Interface Description

ServiceFr_REST

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Module Details

1. RelaysFusesController

1.1. Prerequisites

Some of the html documents could contain graphics in the .SVG format. So the system requirements for viewing html documents are: MS Internet Explorer v. 9.0 and higher

Mozilla Firefox 15 and higher

1.2. Sequence Of Calls

First of all, you should check whether there is fuse and relays data available for the currently selected vehicle. To perform this check, you simply call VehicleHasRelaysFuses which returns a boolean value indicating whether there is adjustment data (**true**) or not (**false**).

Subsequent you call ComponentsForType to determine a list of components which has fuses and relays data for the given vehicle. For the chosen component you call the method BoxOverviewHtml to get a HTML overview document over the possible location of the fuse and relays boxes. The fuse and relays tree for one of this boxed is returned by the BoxDetailList method. Finally you call the method BoxDetailHtml to get the detail view in HTML.

1.3. Summary

Area RestRMI.Areas.Fr.Controllers.RelaysFusesController provides the web service methods for the part fuse and relays. Here, you can see the fuses and relays for the selected box.

1.4. Detailed Module Documentation

1.4.1. Properties

- **HttpActionContext ActionContext**

  No description available

- **HttpConfiguration Configuration**

  No description available

- **HttpControllerContext ControllerContext**

  No description available

- **string Ip**

  Gets the IP.

- **ModelStateDictionary ModelState**

  No description available

- **HttpRequestMessage Request**

  No description available

- **HttpRequestContext RequestContext**

  No description available

- **UrlHelper Url**

  No description available

- **IPrincipal User**

  No description available

1.4.2. Methods

- **bool VehicleHasRelaysFuses(VehicleHasRelaysFusesMsg input)**

  Checks whether the selected vehicle has fuse and relays data.

  Parameter

  input - Instance of the message class VehicleHasRelaysFusesMsg.

  Returns

  true - if fuse and relays data exists; otherwise false.

- **IEnumerable<FrComponentType> ComponentsForType(ComponentsForTypeMsg input)**

  Delivers a country specific list of components which contains fuse and relays data for the given vehicle.

  Parameter

  input - Instance of the message class ComponentsForTypeMsg.

  Returns

  A collection of fuse and relays components.

- **FrBoxItemMp BoxDetailList(BoxDetailListMsg input)**

  Delivers a country specific object to generate a fuse and relays tree for the given component in the selected language.

  Parameter

  input - Instance of the message class BoxDetailListMsg.

  Returns

  The topic tree for the fuse and relays manual.

- **string BoxOverviewHtml(BoxOverviewHtmlMsg input)**

  Delivers a country specific string which contains HTML-lines from which an HTML-file for the box overview graphic can be generated.

  Parameter

  input - Instance of the message class BoxOverviewHtmlMsg.

Returns

A string which contains HTML-lines from which an HTML-file for the box overview graphic can be generated.

- string BoxDetailHtml(BoxDetailHtmlMsg input)

Delivers a country specific string which contains HTML-lines from which an HTML-file for the box detail manual can be generated.

Parameter

input - Instance of the message class BoxDetailHtmlMsg.

Returns

A string which contains HTML-lines from which an HTML-file for the box detail manual can be generated.

- IEnumerable<String> BoxOverviewImageName(BoxOverviewImageNameMsg input)

Delivers a collection of strings which contain the image names necessary for the box overview graphic.

Parameter

input - Instance of the message class BoxOverviewImageNameMsg.

Returns

The image names for the box overview manual.

- IEnumerable<AdItemMp> LinkedTechnicalData(LinkedTechnicalDataMsg input)

Gets the technical data which are linked to this fuse and relays document.

Parameter

input - Instance of the message class LinkedTechnicalDataMsg.

Returns

A collection of linked technical data.

- IEnumerable<TmItemMp> LinkedTechnicalManuals(LinkedTechnicalManualsMsg input)

Gets the technical manuals which are linked to this fuse and relays document.

Parameter

input - Instance of the message class LinkedTechnicalManualsMsg.

Returns

A collection of linked technical manuals.

- IEnumerable<LtItemMpKor> LinkedLabourTimes(LinkedLabourTimesMsg input)

Gets the labour times work positions which are linked to this fuse and relays document.

Parameter

input - Instance of the message class LinkedLabourTimesMsg.

Returns

A collection of linked labour times work positions.

- IEnumerable<WdItemMp> LinkedWiringDiagrams(LinkedWiringDiagramsMsg input)

Gets the wiring diagrams which are linked to this fuse and relays document.

Parameter

input - Instance of the message class LinkedWiringDiagramsMsg.

Returns

A collection of linked wiring diagrams.

- IEnumerable<DiItemMp> LinkedDiagnostics(LinkedDiagnosticsMsg input)

Gets the diagnostic manuals which are linked to this fuse and relays document.

Parameter

input - Instance of the message class LinkedDiagnosticsMsg.

Returns

A collection of linked diagnostics manuals.

- IEnumerable<PpItemMp> LinkedPartPosition(LinkedPartPositionMsg input)

Gets the part position manuals which are linked to this fuse and relays document.

Parameter

input - Instance of the message class LinkedPartPositionMsg.

Returns

A collection of linked part position manuals.

- IEnumerable<FrMainGroup> BoxConfigurations(BoxConfigurationsMsg input)

Gets an alternative topic tree for the module fuse and relays with search functionality.

Parameter

input - Instance of the message class BoxConfigurationsMsg.

Returns

An enumeration over the main groups of the topic tree which includes an under enumeration of their sub

groups and Items.

Object Model

1. AdItemMp

1.1. Summary

Represents an item mount position of the adjustment data topic tree. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

1.2. Detailed Module Documentation

1.2.1. Properties

- **bool InfoDataExists**

  Gets or sets a value indicating whether there are information data existing for this item mount position.
  The portal database must be available to provide information data.

  Property-Value

  true if info data exists; otherwise, false.

- **bool IsLocked**

  Gets or sets a value indicating whether access to this item mount position is denied.

  Property-Value

  true if this item mount position is locked; otherwise, false.

- **int ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

  Gets or sets the name of the item mount position image.

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  Property-Value

  The item mount position text.

- **int SortOrder**

  Gets or sets the order number of this topic item mount position. A collection
  of topic item mount position will be sorted against this number.

Property-Value

The sort order.

2. BoxConfigurationsMsg

2.1. Summary

Class RestRMI.Areas.Fr.Models.BoxConfigurationsMsg contains the properties which are necessary to call the web service methods BoxConfigurations(BoxConfigurationsMsg).

2.2. Detailed Module Documentation

2.2.1. Properties

- **int ComponentTypeId**

   Gets or sets the identifier of the component type.

   Property-Value

   The identifier of the component type.

- **string CountryCode**

   Gets or sets the 2-letter international country code as defined by ISO 3166-1.

   Property-Value

   The ISO country code.

- **string LanguageCode**

   Gets or sets the 2-letter international language code as defined by ISO 639-1.

   Property-Value

   The ISO language code.

- **string SearchText**

   Gets or sets the filter string.

   >   A search will only be performed if this search text is set to a value unequal NULL.

   Property-Value

   The filter string.

- **int TypeId**

   Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

   Property-Value

   The TecRMI type id.

3. BoxDetailHtmlMsg

3.1. Summary

Class RestRMI.Areas.Fr.Models.BoxDetailHtmlMsg contains the properties which are necessary to call the web service methods BoxDetailHtml(BoxDetailHtmlMsg).

3.2. Detailed Module Documentation

3.2.1. Properties

- int BoxConfigurationMappingId

Gets or sets the identifier of the box configuration mapping.

Property-Value

The identifier of the box configuration mapping.

- int BuildPeriodQualColId

Gets or sets the identifier of the build period qualifier collection.

Property-Value

The identifier of the build period qualifier collection.

- int ComponentTypeId

Gets or sets the component type id.

Property-Value

The component type id.

- string ConsumerId

Unique identifier for end user which receive the called data.

Property-Value

Unique end user identifier.

- string CountryCode

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- string LanguageCode

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- string LinkUrl

Gets or sets the link url. The actual link information is going to be added at the end of this url.

Property-Value

The link url.

Example

```
LinkUrl = "http://localhost/" // -> Generated link in documents:
http://localhost/Þ1234Þ.;
```

- **bool PrintView**

Gets or sets a value indicating whether the HTML file should be prepared for printing.

Property-Value

true if the HTML file is prepare for printing; otherwise, false.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

4. BoxDetailListMsg

4.1. Summary

Class RestRMI.Areas.Fr.Models.BoxDetailListMsg contains the properties which are necessary to call the web service methods BoxDetailList(BoxDetailListMsg).

4.2. Detailed Module Documentation

4.2.1. Properties

- **int ComponentTypeId**

Gets or sets the identifier of the component type.

Property-Value

The component type id.

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **int ItemMpId**

Gets or sets the TecRMI item mount position id. The id can be fetched by using the topic tree methods from the respective modules.

Property-Value

The item mount position id.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.

  Property-Value

  The ISO language code.

- **int TypeId**

  Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

  Property-Value

  The TecRMI type id.

5. BoxOverviewHtmlMsg

5.1. Summary

Class RestRMI.Areas.Fr.Models.BoxOverviewHtmlMsg contains the properties which are necessary to call the web service methods BoxOverviewHtml(BoxOverviewHtmlMsg).

5.2. Detailed Module Documentation

5.2.1. Properties

- **int ComponentTypeId**

  Gets or sets the id of the component type.

  Property-Value

  The component type id.

- **string ConsumerId**

  Unique identifier for end user which receive the called data.

  Property-Value

  Unique end user identifier.

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

  The ISO country code.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.

  Property-Value

  The ISO language code.

- **string LinkUrl**

Gets or sets the link url. The actual link information is going to be added at the end of
this url.

Property-Value

The link url.

Example

```
LinkUrl = "http://localhost/" // -> Generated link in documents:
http://localhost/Þ1234Þ.;
```

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt
web service.

Property-Value

The TecRMI type id.

6. BoxOverviewImageNameMsg

6.1. Summary

Class RestRMI.Areas.Fr.Models.BoxOverviewImageNameMsg contains the properties which are
necessary to call the web service methods BoxOverviewImageName(BoxOverviewImageNameMsg).

6.2. Detailed Module Documentation

6.2.1. Properties

- **int ComponentTypeId**

Gets or sets the id of the component type.

Property-Value

The component type id.

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt
web service.

Property-Value

The TecRMI type id.

7. ComponentsForTypeMsg

7.1. Summary

Class RestRMI.Areas.Fr.Models.ComponentsForTypeMsg contains the properties which are necessary to call the web service methods ComponentsForType(ComponentsForTypeMsg).

7.2. Detailed Module Documentation

7.2.1. Properties

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

  The ISO country code.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.

  Property-Value

  The ISO language code.

- **int TypeId**

  Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

  Property-Value

  The TecRMI type id.

8. DiItemMp

8.1. Summary

Represents an item mount position for the diagnose topic tree. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

8.2. Detailed Module Documentation

8.2.1. Properties

- **Nullable<Int32> ComponentTypeId**

  Gets or sets the identifier of the component type.

  Property-Value

  The component type id.

- **bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this item mount position.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **bool IsLocked**

Gets or sets a value indicating whether access to this item mount position is denied.

Property-Value

true if this item mount position is locked; otherwise, false.

- **int ItemMpId**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMpImageName**

Gets or sets the name of the item mount position image.

Property-Value

The the item mount position image name.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **List<DiValue> Manuals**

Gets or sets a collection of manuals which belongs to the topic item mount position.

Property-Value

The manuals.

- **int SortOrder**

Gets or sets the order number of this topic item mount position. A collection

of topic item mount position will be sorted against this number.

Property-Value

The sort order.

- **Nullable<Int32> SystemQualColId**

Gets or sets the identifier of the system qualifier collection.

Property-Value

The system qualifier collection id.

- **string SystemQualColText**

  Gets or sets the text of the system qualifier collection.

  Property-Value

  The system qualifier collection text.

9. DiValue

9.1. Summary

Represents a topic manual in the diagnose part of the AuDaLib. Manuals can be found in the modules Sos, technical manuals (Tm) and wiring diagram (Wd). The purpose of the class **DiValue**is to provide a base for these modules. A manual belongs to an item mount position. SOS, TM and WD. A manual belongs to an item mount position.

9.2. Detailed Module Documentation

9.2.1. Properties

- **int QualColId**

  Gets or sets the id of the qualifier collection.

  Property-Value

  The qualifier collection id.

- **string QualColText**

  Gets or sets the text the qualifier collection.

  Property-Value

  The qualifier collection text.

- **Nullable<Int32> SystemQualColId**

  Gets or sets the identifier of the system qualifier collection.

  Property-Value

  The system qualifier collection id.

- **string SystemQualColText**

  Gets or sets the text of the system qualifier collection.

  Property-Value

  The system qualifier collection text.

10. FrBoxConfiguration

10.1. Summary

Represents a specific configuration of a fuse and relays box.

10.2. Detailed Module Documentation

10.2.1. Properties

- List<QualCol> BoxBuildPeriodQualCols

  Gets or sets a list of qualifier collections which represents the possible years where this component has been build.

  Property-Value

  A collection of build year qualifier collections.

- int BoxConfigurationId

  Gets or sets the identifier of the box configuration mapping.

  Property-Value

  The the box configuration mapping id.

- int BuildPeriodQualColId

  Gets or sets the identifier of the build period qual col.

  Property-Value

  The identifier of the build period qual col.

- string BuildPeriodQualColText

  Gets or sets the build period qual col text.

  Property-Value

  The build period qual col text.

- int QualColId

  Gets or sets the id of the qualifier collection.

  Property-Value

  The qualifier collection id.

- string QualColText

  Gets or sets the text of the qualifier collection.

  Property-Value

  The qualifier collection text.

11. FrBoxItemMp

11.1. Summary

Represents configuration settings of a fuse and relays box.

11.2. Detailed Module Documentation

11.2.1. Properties

- List<FrBoxConfiguration> BoxConfigurations

Gets or sets a list of different fuse und relays box configurations.

Property-Value

A collection of fuse and relays box configurations.

- bool InfoDataExists

Gets or sets a value indicating whether there are information data existing for this item mount position.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- bool IsLocked

Gets or sets a value indicating whether access to this item mount position is denied.

Property-Value

true if this item mount position is locked; otherwise, false.

- int ItemMpId

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMpImageName

Gets or sets the name of the item mount position image.

Property-Value

The the item mount position image name.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- int SortOrder

Gets or sets the order number of this topic item mount position. A collection

of topic item mount position will be sorted against this number.

Property-Value

The sort order.

12. FrComponentType

12.1. Summary

Represents a component type in the fuse and relays module.

12.2. Detailed Module Documentation

12.2.1. Properties

- **int ComponentTypeId**

  Gets or sets the type id of this component.

  Property-Value

  The component type id.

- **string ComponentTypeName**

  Gets or sets the name of the component type.

  Property-Value

  The the component type name.

- **string TypeOverviewImage**

  Gets or sets the overview image of the type where the position of the fuse and relays boxes are marked.

  Property-Value

  The type overview image.

13. FrMainGroup

13.1. Summary

Represents a main group for fuse and relays. In the topic tree hierarchy, main groups are on the topmost level. Each main group may have several sub groups as children.

13.2. Detailed Module Documentation

13.2.1. Properties

- **bool InfoDataExists**

  Gets or sets a value indicating whether there are information data existing for this main group.

     The portal database must be available to provide information data.

  Property-Value

  true if info data exists; otherwise, false.

- **int MainGroupId**

  Gets or sets the id of the main group.

  Property-Value

  The main group id.

- **string MainGroupImage**

Gets or sets the image of the main group.

Property-Value

The main group image.

- **string MainGroupName**

Gets or sets the name of the main group.

Property-Value

The the main group name.

- **int SortOrder**

Gets or sets the order number of this main group. A collection
of main groups will be sorted against this number.

Property-Value

The sort order.

- **List<FrSubGroup> SubGroups**

Gets or sets a collection of sub groups which belongs to this main group.

Property-Value

The sub groups.

14. FrSubGroup

14.1. Summary

Represents a sub group for fuse and relays. In the topic tree hierarchy, sub groups are children of main groups. The same sub group might also be a child of several different main groups making the topic tree rather a directed acyclic graph than a tree. Each sub group may have several item mount positions as children.

14.2. Detailed Module Documentation

14.2.1. Properties

- **bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this sub group. The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **List<FrBoxItemMp> ItemMps**

Gets or sets a collection of item mount positions which belongs to this sub group.

Property-Value

The item mount positions.

- int SortOrder

Gets or sets the order number of this sub group. A collection
        of sub groups will be sorted against this number.

Property-Value

The sort order.

- int SubGroupId

Gets or sets the id of the sub group.

Property-Value

The sub group id.

- string SubGroupImage

Gets or sets the sub group image.

Property-Value

The sub group image.

- string SubGroupName

Gets or sets the name of the sub group.

Property-Value

The sub group name.

15. KindOfLinkTypes

15.1. Summary

Enum **KindOfLinkTypes** specifies the kinds of link types.

15.2. Remarks

The AuDaLib includes several methods that return HTML documents as strings. Some of the HTML documents may
contain links. The **href** attribute of the links follows a certain scheme: e.g. href="someUrl/Þa1205Þ", where
"someUrl/" is the link URL, "Þ" is the link separator, "a" is the kind of link type represented as char and "1205" is
the link id. The kind of link type determines how the link id has to be interpreted and, therefore, determines the
target module the link is referencing. The enumerators can be casted into chars. Altogether, a link can be evaluated
on the web server before the HTML is sent to the client, or handled in an embedded browser control using the
relevant navigation events.

15.3. Detailed Module Documentation

15.3.1. Enums

- None

No link.

- AdItemMpId

A link to an item mount position from the adjustment data module.

- **FusesBoxItemMpId**

Unused at the moment.

- **BgItemGroup**

A link to an item group from the body graphics module.

- **DiagnosisItemId**

A link to an item from the diagnosis module.

- **ErrorcodeManualId**

A link to an error code manual.

- **Fuses**

A link to fuses.

- **HotSpotGenArt**

A link to a generic article.

- **BgMainGroupId**

A link to a main group from the body graphics module.

- **TmItemMpId**

A link to an item mount position from the technical manuals module.

- **DiagnosticContentId**

Unused at the moment.

- **Unused_K**

Unused at the moment.

- **LockedItem**

A link to an item for which access is denied because the user has no permissions to access the referenced item.

- **TmManualId**

A link to a manual from the technical manuals module.

- **OeSparePartNo**

A link to a OE spare part no from a technical manual.

- **WdMainGroupId**

A link to main group from the wiring diagrams module.

- **Image**

A link to an image.

- **Unused_Q**

Unused at the moment.

- **Unused_R**

Unused at the moment.

- **BgSubGroupId**

A link to a sub group from the body graphics module.

- **VehicleTreeTypeId**

  A link to a vehicle type from the vehicle tree module.

- **Unused_U**

  Unused at the moment.

- **Unused_V**

  Unused at the moment.

- **WdItemMpId**

  A link to an item mount position from the wiring diagrams module.

- **Unused_X**

  Unused at the moment.

- **ImageLinkId**

  A link from an image, currently used for partposition module.

- **Unused_Z**

  Unused at the moment.

16. KindOfWorkTimeData

16.1. Summary

Enum **KindOfWorkTimeData** specifies the kinds of work time data. In other words this enumeration determines the unit a work time has.

16.2. Detailed Module Documentation

16.2.1. Enums

- **DecimalWorkHours**

  The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

  The work time is displayed in manufacturer work time units.

17. LinkedDiagnosticsMsg

17.1. Summary

Class RestRMI.Areas.Fr.Models.LinkedDiagnosticsMsg contains the properties which are necessary to call the web service methods LinkedDiagnostics(LinkedDiagnosticsMsg).

17.2. Detailed Module Documentation

17.2.1. Properties

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

The ISO country code.

- **Nullable<Int32> DiComponentTypeId**

Gets or sets the identifier of the diagnose component type.

Property-Value

The identifier of the diagnose component type.

- **int ItemMpId**

Gets or sets the TecRMI item mount position id. The id can be fetched by using the topic tree methods from the respective modules.

Property-Value

The item mount position id.

- **string LanguageCode**

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

18. LinkedLabourTimesMsg

18.1. Summary

Class RestRMI.Areas.Fr.Models.LinkedLabourTimesMsg contains the properties which are necessary to call the web service methods LinkedLabourTimes(LinkedLabourTimesMsg).

18.2. Detailed Module Documentation

18.2.1. Properties

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **int ItemMpId**

Gets or sets the TecRMI item mount position id. The id can be fetched by using the topic tree methods from the respective modules.

Property-Value

The item mount position id.

- string LanguageCode

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- int LtBodyQualColId

Gets or sets the body qualifier id for labour times work positions which defines the vehicle construction. The id can be fetched by using the

equivalent methods from the respective modules.

Property-Value

The body qualifier id.

- int TypeId

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

19. LinkedPartPositionMsg

19.1. Summary

Class RestRMI.Areas.Fr.Models.LinkedPartPositionMsg contains the properties which are necessary to call the web service methods LinkedPartPosition(LinkedPartPositionMsg).

19.2. Detailed Module Documentation

19.2.1. Properties

- string CountryCode

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- int ItemMpId

Gets or sets the identifier of the item mount position.

Property-Value

The identifier of the item mount position.

- string LanguageCode

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

20. LinkedTechnicalDataMsg

20.1. Summary

Class RestRMI.Areas.Fr.Models.LinkedTechnicalDataMsg contains the properties which are necessary to call the web service methods LinkedTechnicalData(LinkedTechnicalDataMsg).

20.2. Detailed Module Documentation

20.2.1. Properties

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **int ItemMpId**

Gets or sets the identifier of the item mount position.

Property-Value

The identifier of the item mount position.

- **string LanguageCode**

Gets or sets the 2-letter international language code as defined by ISO 639-1.

Property-Value

The ISO language code.

- **int TypeId**

Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

Property-Value

The TecRMI type id.

21. LinkedTechnicalManualsMsg

21.1. Summary

Class RestRMI.Areas.Fr.Models.LinkedTechnicalManualsMsg contains the properties which are necessary to call the web service methods LinkedTechnicalManuals(LinkedTechnicalManualsMsg).

21.2. Detailed Module Documentation

21.2.1. Properties

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

  The ISO country code.

- **int ItemMpId**

  Gets or sets the identifier of the item mount position.

  Property-Value

  The identifier of the item mount position.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.

  Property-Value

  The ISO language code.

- **int TypeId**

  Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

  Property-Value

  The TecRMI type id.

22. LinkedWiringDiagramsMsg

22.1. Summary

Class RestRMI.Areas.Fr.Models.LinkedWiringDiagramsMsg contains the properties which are necessary to call the web service methods LinkedWiringDiagrams(LinkedWiringDiagramsMsg).

22.2. Detailed Module Documentation

22.2.1. Properties

- **string CountryCode**

  Gets or sets the 2-letter international country code as defined by ISO 3166-1.

  Property-Value

The ISO country code.

- **int ItemMpId**

  Gets or sets the identifier of the item mp.
  Property-Value
  The identifier of the item mp.

- **string LanguageCode**

  Gets or sets the 2-letter international language code as defined by ISO 639-1.
  Property-Value
  The ISO language code.

- **int TypeId**

  Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.
  Property-Value
  The TecRMI type id.

23. LtItemMpKor

23.1. Summary

Represents an item mount position along with a kind of repair for labour times. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

23.2. Detailed Module Documentation

23.2.1. Properties

- **bool InfoDataExists**

  Gets or sets a value indicating whether there are information data existing for this item mount position.
  The portal database must be available to provide information data.
  Property-Value
  true if info data exists; otherwise, false.

- **bool IsLocked**

  Gets or sets a value indicating whether access to this item mount position is denied.
  Property-Value
  true if this item mount position is locked; otherwise, false.

- **int ItemMpId**

  Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- string ItemMpImageName

Gets or sets the name of the item mount position image.

Property-Value

The the item mount position image name.

- string ItemMpText

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- int KorId

Gets or sets the id of the kind of repair.

Property-Value

The kind of repair id.

- string KorImageName

Gets or sets the image name of the kind of repair.

Property-Value

The image name of the kind of repair.

- string KorText

Gets or sets the text of the kind of repair.

Property-Value

The kind of repair text.

- int SortOrder

Gets or sets the order number of this topic item mount position. A collection
        of topic item mount position will be sorted against this number.

Property-Value

The sort order.

24. PpItemMp

24.1. Summary

Represents an item mount position for the mount position manual topic tree. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

24.2. Detailed Module Documentation

24.2.1. Properties

- **bool InfoDataExists**

Gets or sets a value indicating whether there are information data existing for this item mount position.

The portal database must be available to provide information data.

Property-Value

true if info data exists; otherwise, false.

- **bool IsLocked**

Gets or sets a value indicating whether access to this item mount position is denied.

Property-Value

true if this item mount position is locked; otherwise, false.

- **int ItemMpId**

Gets or sets the id of the item mount position.

Property-Value

The item mount position id.

- **string ItemMpImageName**

Gets or sets the name of the item mount position image.

Property-Value

The the item mount position image name.

- **string ItemMpText**

Gets or sets the text of the item mount position.

Property-Value

The item mount position text.

- **List<PpManual> Manuals**

Gets or sets a collection of manuals which belongs to the topic item mount position.

Property-Value

The manuals.

- **int SortOrder**

Gets or sets the order number of this topic item mount position. A collection

of topic item mount position will be sorted against this number.

Property-Value

The sort order.

25. PpManual

25.1. Summary

Represents a mount position manual in the field of mount position. A manual belongs to an item mount position.

25.2. Detailed Module Documentation

25.2.1. Properties

- **int ManualId**

  Gets or sets the id of the manual.

  Property-Value

  The manual id.

- **int QualColId**

  Gets or sets the id of the qualifier collection.

  Property-Value

  The qualifier collection id.

- **string QualColText**

  Gets or sets the qualifier collection text.

  Property-Value

  The qualifier collection text.

26. QualCol

26.1. Summary

Class **QualCol** represents a qualifier collection. The qualifier collection delivers a further differentiation for an item.

26.2. Detailed Module Documentation

26.2.1. Properties

- **int QualColId**

  Gets or sets the id of the qualifier collection.

  Property-Value

  The qualifier collection id.

- **string QualColText**

  Gets or sets the text of the qualifier collection.

  Property-Value

  The qualifier collection text.

27. TmItemMp

27.1. Summary

Represents an item mount position for the technical manual topic tree. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

27.2. Detailed Module Documentation

27.2.1. Properties

- **bool InfoDataExists**

  Gets or sets a value indicating whether there are information data existing for this item mount position.
  The portal database must be available to provide information data.

  Property-Value

  true if info data exists; otherwise, false.

- **bool IsLocked**

  Gets or sets a value indicating whether access to this item mount position is denied.

  Property-Value

  true if this item mount position is locked; otherwise, false.

- **int ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

  Gets or sets the name of the item mount position image.

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  Property-Value

  The item mount position text.

- **List<TmManual> Manuals**

  Gets or sets a collection of manuals which belongs to the topic item mount position.

  Property-Value

  The manuals.

- **int SortOrder**

Gets or sets the order number of this topic item mount position. A collection

of topic item mount position will be sorted against this number.

Property-Value

The sort order.

28. TmManual

28.1. Summary

Represents a technical manual in the field of technical manual. A manual belongs to an item mount position.

28.2. Detailed Module Documentation

28.2.1. Properties

- **int ManualId**

Gets or sets the id of the manual.

Property-Value

The manual id.

- **int QualColId**

Gets or sets the id of the qualifier collection.

Property-Value

The qualifier collection id.

- **string QualColText**

Gets or sets the qualifier collection text.

Property-Value

The qualifier collection text.

29. VehicleHasRelaysFusesMsg

29.1. Summary

Class RestRMI.Areas.Fr.Models.VehicleHasRelaysFusesMsg contains the properties which are necessary to call the web service methods VehicleHasRelaysFuses(VehicleHasRelaysFusesMsg).

29.2. Detailed Module Documentation

29.2.1. Properties

- **string CountryCode**

Gets or sets the 2-letter international country code as defined by ISO 3166-1.

Property-Value

The ISO country code.

- **int TypeId**

  Gets or sets the TecRMI type id which identifies a vehicle unique. The id can be fetched by using the ServiceVt web service.

  Property-Value

  The TecRMI type id.

30. WdItemMp

30.1. Summary

Class **WdItemMp** represents an item mount position for wiring data. In the topic tree hierarchy, item mount positions are children of sub groups. The same item mount position might also be a child of several different sub groups making the topic tree rather a directed acyclic graph than a tree.

30.2. Detailed Module Documentation

30.2.1. Properties

- **bool InfoDataExists**

  Gets or sets a value indicating whether there are information data existing for this item mount position.

  The portal database must be available to provide information data.

  Property-Value

  true if info data exists; otherwise, false.

- **bool IsLocked**

  Gets or sets a value indicating whether access to this item mount position is denied.

  Property-Value

  true if this item mount position is locked; otherwise, false.

- **int ItemMpId**

  Gets or sets the id of the item mount position.

  Property-Value

  The item mount position id.

- **string ItemMpImageName**

  Gets or sets the name of the item mount position image.

  Property-Value

  The the item mount position image name.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  Property-Value

The item mount position text.

- **List<WdManual> Manuals**

  Gets or sets a collection of manuals which belongs to the topic item mount position.

  Property-Value

  The manuals.

- **int SortOrder**

  Gets or sets the order number of this topic item mount position. A collection

  of topic item mount position will be sorted against this number.

  Property-Value

  The sort order.

31. WdManual

31.1. Summary

Class **WdManual**represents a manual for wiring data. A manual belongs to an item mount position.

31.2. Detailed Module Documentation

31.2.1. Properties

- **int ManualId**

  Gets or sets the id of the manual.

  Property-Value

  The manual id.

- **int QualColId**

  Gets or sets the id of the qualifier collection.

  Property-Value

  The qualifier collection id.

- **string QualColText**

  Gets or sets the qualifier collection text.

  Property-Value

  The qualifier collection text.