# Interface Description

## ServiceDi_REST

# Contents

# Module Details

# 1. DiagnosticValuesController

## 1.1. Sequence Of Calls

First, check whether there is diagnosis data available for the selected vehicle. To do so, call
VehicleHasDiagnostics passing your type id. ( **true**) which returns a Boolean value indicating whether there is
diagnostic data ( **true**) or not ( **false**)
By calling the ComponentsForType method you get the components of the given vehicle which have diagnostic
data. The diagnostic tree is fetched by invoking the method List with the chosen component type id. Finally you
call the method ManualHtml the get a HTML document with the detailed data for the selected item from the
diagnostic tree.

## 1.2. Summary

Area RestRMI.Areas.Di.Controllers.DiagnosticValuesController provides the web service methods for
the part diagnostic. Here, you can see the diagnostic data on the selected vehicle.

## 1.3. content

A controller for handling diagnostic values.

## 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 VehicleHasDiagnostics(VehicleHasDiagnosticsMsg input)**

Checks whether diagnosis data is available for the given vehicle.

**Parameter**

input - Instance of the message class VehicleHasDiagnosticsMsg.

**Returns**

true - if adjustment data exists; otherwise false.

- **List<DiComponentType> ComponentsForType(ComponentsForTypeMsg input)**

Gets a country specific list of components with diagnostic data for the given vehicle.

**Parameter**

input - Instance of the message class ComponentsForTypeMsg.

**Returns**

A collection of components.

- **IEnumerable<DiMainGroup> List(ListMsg input)**

Delivers a country specific list to generate a diagnostic tree for the given component in the selected language.

**Parameter**

input - Instance of the message class ListMsg.

**Returns**

The topic tree for the diagnostic data.

- **string MainGroupHtml(MainGroupHtmlMsg input)**

Delivers a country specific string which contains HTML-lines from which an HTML-file for the diagnostic manuals of a main group can be generated.

**Parameter**

input - Instance of the message class MainGroupHtmlMsg.

**Returns**

A string which contains HTML-lines from which an HTML-file for the diagnostic manuals of a main group can be generated.

- **string SubGroupHtml(<span style="color:blue">SubGroupHtmlMsg</span> input)**

  Delivers a country specific string which contains HTML-lines from which an HTML-file for the diagnostic manuals of a sub group can be generated.

  **Parameter**

  input - Instance of the message class SubGroupHtmlMsg.

  **Returns**

  A string which contains HTML-lines from which an HTML-file for the diagnostic manuals of a sub group can be generated.

- **string ManualHtml(<span style="color:blue">ManualHtmlMsg</span> input)**

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

  **Parameter**

  input - Instance of the message class ManualHtmlMsg.

  **Returns**

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

- **IEnumerable<<span style="color:blue">DiConnectorCondition</span>> ConnectorConditions(<span style="color:blue">ConnectorConditionsMsg</span> input)**

  Gets the connector conditions.

  **Parameter**

  input - Instance of the message class ConnectorConditionsMsg.

  **Returns**

  The connector conditions.

- **IEnumerable<<span style="color:blue">DiDiagnosticsValue</span>> Value(<span style="color:blue">ValueMsg</span> input)**

  Gets the diagnostics value.

  **Parameter**

  input - Instance of the message class ValueMsg.

  **Returns**

  The diagnostics value.

- **IEnumerable<String> ImageNamesForDiagnostics(<span style="color:blue">ImageNamesForDiagnosticsMsg</span> input)**

  Delivers a collection of strings which contain the image names necessary for the diagnostic manual.

  **Parameter**

input - Instance of the message class ImageNamesForDiagnosticsMsg.

**Returns**

The image names for the diagnostic manual.

- **string Image(ImageMsg input)**

Returns a stream which contains the requested diagnostic image.

**Parameter**

input - Instance of the message class ImageMsg.

**Returns**

A byte array which contains the requested image.

- **IEnumerable<AdItemMp> LinkedTechnicalData(LinkedTechnicalDataMsg input)**

Gets the technical data which are linked to this diagnostic manual.

**Parameter**

input - Instance of the message class LinkedTechnicalDataMsg.

**Returns**

A collection of linked technical data.

- **TmManual LinkedTechnicalManuals(LinkedTechnicalManualsMsg input)**

Gets the technical manuals which are linked to this diagnostic manual.

**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 diagnostic manual.

**Parameter**

input - Instance of the message class LinkedLabourTimesMsg.

**Returns**

A collection of linked labour times work position.

- **IEnumerable<WdItemMp> LinkedWiringDiagrams(LinkedWiringDiagramsMsg input)**

Gets the wiring diagrams which are linked to this diagnostic manual.

**Parameter**

input - Instance of the message class LinkedWiringDiagramsMsg.

**Returns**

A collection of linked wiring diagrams.

- **IEnumerable<FrBoxItemMp> LinkedRelaysFuses(LinkedRelaysFusesMsg input)**

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

**Parameter**

input - Instance of the message class LinkedRelaysFusesMsg.

**Returns**

A collection of linked fuse and relays manuals.

- **IEnumerable<PpItemMp> LinkedPartPosition(LinkedPartPositionMsg input)**

Gets the part position manuals which are linked to this diagnostic manual.

**Parameter**

input - Instance of the message class LinkedPartPositionMsg.

**Returns**

A collection of linked part position manuals.

- **IEnumerable<DiMeasuringUnit> MeasuringUnits(MeasuringUnitsMsg input)**

Gets the measuing units.

**Parameter**

input - Instance of the message class MeasuringUnitsMsg.

**Returns**

A collection of measuring units.

- **IEnumerable<DiItemMpDetailed> ErrorCode(ErrorCodeMsg input)**

Delivers a country specific list of diagnostic ItemMps for the given type, component and error code in the selected language

**Parameter**

input - Instance of the message class VehicleHasDiagnosticsMsg.

**Returns**

Detailed diagnostic ItemMp data.

- **IEnumerable<DiItemMpDetailed> ItemList(ItemListMsg input)**

Delivers a country specific list of diagnostic ItemMps for the given type, component and item id in the selected language

**Parameter**

input - Instance of the message class ItemListMsg.

**Returns**

Detailed diagnostic ItemMp data.

# 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. ComponentsForTypeMsg

## 2.1. Summary

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

## 2.2. Detailed Module Documentation

## 2.2.1. 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.

# 3. ConnectorConditionsMsg

## 3.1. Summary

Class RestRMI.Areas.Di.Models.ConnectorConditionsMsg contains the properties which are necessary to call the web service methods ConnectorConditions(ConnectorConditionsMsg).

## 3.2. Detailed Module Documentation

## 3.2.1. Properties

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

# 4. DiComponentType

## 4.1. Summary

Represents a component type in the diagnose module.

## 4.2. Detailed Module Documentation

### 4.2.1. 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.

# 5. DiConnectorCondition

## 5.1. Summary

Represents a connector condition for diagnose part of the AuDaLib.

## 5.2. Detailed Module Documentation

### 5.2.1. Properties

- **int ConnectorConditionId**

  Gets or sets the id of the connector condition.

  **Property-Value**

  The connector condition id.

- **string ConnectorConditionText**

  Gets or sets the text of the connector condition.

  **Property-Value**

  The connector condition text.

# 6. DiDiagnosticsValue

## 6.1. Summary

Represents a diagnostics value for diagnose module.

## 6.2. Detailed Module Documentation

## 6.2.1. Properties

- **string AdditionalConditionQualColText**

  Gets or sets the text of the additional condition qualifier collection.

  **Property-Value**

  The additional condition qualifier collection text.

- **string AdditionalText**

  Gets or sets the additional text.

  **Property-Value**

  The additional text.

- **Nullable<Int32> ConnectorConditionId**

  Gets or sets the id of the connector condition.

  **Property-Value**

  The connector condition id.

- **int ContentId**

  Gets or sets the content id.

  **Property-Value**

  The content id.

- **string ImageName**

  Gets or sets the name of the image.

  **Property-Value**

  The name of the image.

- **int ItemMpId**

  Gets or sets the id of the item mount position.

  **Property-Value**

  The item mount position id.

- **string ItemMpText**

  Gets or sets the text of the item mount position.

  **Property-Value**

  The item mount position text.

- **Nullable<Int32> ManualId**

  Gets or sets the id of the manual.

**Property-Value**

The manual id.

### - List<DiMeasurementCondition> MeasurementConditions

Gets or sets the measurement conditions.

**Property-Value**

The measurement conditions.

### - string MeasurementDestinationText

Gets or sets the text of the measurement destination.

**Property-Value**

The measurement destination text.

### - string MeasurementSourceText

Gets or sets the text of the measurement source.

**Property-Value**

The measurement source text.

### - DiMeasurementValue MeasurementValue

Gets or sets the measurement value.

**Property-Value**

The measurement value.

### - 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.

### - int ValueId

Gets or sets the id of the value.

**Property-Value**

The value id.

# 7. DiItemMp

## 7.1. 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.

## 7.2. Detailed Module Documentation

## 7.2.1. 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.

# 8. DiItemMpDetailed

## 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. Class contains detailed information for item and
mount position from ItemMp.

## 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 ItemId

Gets or sets the identifier of the item.

**Property-Value**

The identifier of the item.

## - 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.

## - string ItemText

Gets or sets the item text.

**Property-Value**

The item text.

## - List<DiValue> Manuals

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

**Property-Value**

The manuals.

## - int MountPosId

Gets or sets the identifier of the mount position.

**Property-Value**

The identifier of the mount position.

## - string MountPosText

Gets or sets the mount position text.

**Property-Value**

The 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.

### - 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. DiMainGroup

## 9.1. Summary

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

## 9.2. Detailed Module Documentation

## 9.2.1. 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<DiSubGroup> SubGroups**

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

**Property-Value**

The sub groups.

# 10. DiMeasurementCondition

## 10.1. Summary

Represents a measurement condition for the diagnose module.

## 10.2. Detailed Module Documentation

## 10.2.1. Properties

- **int ItemMpId**

Gets or sets the item mount position id.

**Property-Value**

The item mount position id.

- **string ItemMpText**

Gets or sets the item mount position text.

**Property-Value**

The item mount position text.

- **int MeasurementConditionId**

Gets or sets the measurement condition id.

**Property-Value**

The measurement condition id.

- **DiMeasurementValue** MeasurementValue

Gets or sets the measurement value.

**Property-Value**

The measurement value.

- **int QualColId**

Gets or sets the qualifier collection id.

**Property-Value**

The qualifier collection id.

- **string QualColText**

Gets or sets the qualifier collection text.

**Property-Value**

The qualifier collection text.

# 11. DiMeasurementValue

## 11.1. Summary

Represents a measurement value in the diagnose module.

## 11.2. Detailed Module Documentation

### 11.2.1. Properties

- **int MaxIndicateBound**

Gets or sets the maximum indicate bound.

**Property-Value**

The maximum indicate bound.

- **Nullable<Double> MaxIndicateValue**

Gets or sets the maximum indicate value.

**Property-Value**

The maximum indicate value.

- **int MaxLimitBound**

Gets or sets the maximum limit bound.

**Property-Value**

The maximum limit bound.

- **Nullable<Double> MaxLimitValue**

Gets or sets the maximum limit value.

**Property-Value**

The maximum limit value.

### - int MaxWarnBound

Gets or sets the maximum warn bound.

**Property-Value**

The maximum warn bound.

### - Nullable<Double> MaxWarnValue

Gets or sets the maximum warn value.

**Property-Value**

The maximum warn value.

### - int MeasurementValueClassId

Gets or sets the id of the measurement value class.

**Property-Value**

The measurement value class id.

### - int MeasuringUnitId

Gets or sets the measuring unit id.

**Property-Value**

The measuring unit id.

### - int MinIndicateBound

Gets or sets the minimum indicate bound.

**Property-Value**

The minimum indicate bound.

### - Nullable<Double> MinIndicateValue

Gets or sets the minimum indicate value.

**Property-Value**

The minimum indicate value.

### - int MinLimitBound

Gets or sets the minimum limit bound.

**Property-Value**

The minimum limit bound.

### - Nullable<Double> MinLimitValue

Gets or sets the minimum limit value.

**Property-Value**

The minimum limit value.

- **int MinWarnBound**

  Gets or sets the minimum warn bound.

  **Property-Value**

  The minimum warn bound.

- **Nullable<Double> MinWarnValue**

  Gets or sets the minimum warn value.

  **Property-Value**

  The minimum warn value.

- **int TargetBound**

  Gets or sets the target bound.

  **Property-Value**

  The target bound.

- **Nullable<Double> TargetValue**

  Gets or sets the target value.

  **Property-Value**

  The target value.

# 12. DiMeasuringUnit

## 12.1. Summary

Represents a measuring unit in the diagnose part of the AuDaLib.

## 12.2. Detailed Module Documentation

### 12.2.1. Properties

- **int MeasuringUnitId**

  Gets or sets the id of the measuring unit.

  **Property-Value**

  The measuring unit id.

- **string MeasuringUnitText**

  Gets or sets the text of the measuring unit.

  **Property-Value**

  The measuring unit text.

- **string UnitToken**

Gets or sets the unit token.

**Property-Value**

The unit token.

# 13. DiSubGroup

## 13.1. Summary

Represents a sub group of the diagnose topic tree. 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.

## 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 sub group. The portal database must be available to provide information data.

  **Property-Value**

  true if info data exists; otherwise, false.

- **List<DiItemMp> 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.

# 14. DiValue

## 14.1. 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.

## 14.2. Detailed Module Documentation

## 14.2.1. 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.

# 15. ErrorCodeMsg

## 15.1. Summary

An error code message.

## 15.2. Detailed Module Documentation

## 15.2.1. Properties

- **Nullable<Int32> ComponentTypeId**

  Gets or sets 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.

- **string ErrorCode**

  Gets or sets the OEBD error code. Value must start with P followed by 4 digits long error code. Use leading 0 for error codes with less then 4 digits. Example P0001.

  **Property-Value**

  The error 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.

# 16. FrBoxConfiguration

## 16.1. Summary

Represents a specific configuration of a fuse and relays box.

## 16.2. Detailed Module Documentation

## 16.2.1. 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.

# 17. FrBoxItemMp

## 17.1. Summary

Represents configuration settings of a fuse and relays box.

## 17.2. Detailed Module Documentation

### 17.2.1. 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.

# 18. ImageMsg

## 18.1. Summary

Class RestRMI.Models.GlobalServiceMessages.ImageMsg contains the properties which are necessary to call the web service methods Image(ImageMsg),

## 18.2. Detailed Module Documentation

## 18.2.1. Properties

- **string ImageName**

Gets or sets the name of the requested image.

**Property-Value**

The name of the image.

# 19. ImageNamesForDiagnosticsMsg

## 19.1. Summary

Class RestRMI.Areas.Di.Models.ImageNamesForDiagnosticsMsg contains the properties which are necessary to call the web service methods ImageNamesForDiagnostics(ImageNamesForDiagnosticsMsg).

## 19.2. Detailed Module Documentation

## 19.2.1. Properties

- **Nullable<Int32> ComponentTypeId**

  Gets or sets the component type id.

  **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 QualColId**

  Gets or sets the id of the qualifier collection. The id can be fetched by using the equivalent methods from the respective modules.

  **Property-Value**

  The qualifier collection id.

- **Nullable<Int32> SystemQualColId**

Gets or sets the id of the system qualifier collection.

**Property-Value**

The system qualifier collection 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.

# 20. ItemListMsg

## 20.1. Summary

An error code message.

## 20.2. Detailed Module Documentation

### 20.2.1. Properties

**- Nullable<Int32> 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 ItemID**

Gets or sets the identifier of the diagnostics item.

**Property-Value**

The diagnostics item 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.

# 21. KindOfLinkTypes

## 21.1. Summary

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

## 21.2. 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.

## 21.3. Detailed Module Documentation

### 21.3.1. 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.

# 22. KindOfWorkTimeData

## 22.1. Summary

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

## 22.2. Detailed Module Documentation

### 22.2.1. Enums

- **DecimalWorkHours**

  The work time is displayed in decimal work hours.

- **ManufacturerWorkPositions**

  The work time is displayed in manufacturer work time units.

# 23. LinkedLabourTimesMsg

## 23.1. Summary

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

## 23.2. Detailed Module Documentation

## 23.2.1. Properties

- **int ContentId**

  Gets or sets the identifier of the content.

  **Property-Value**

  The the content id.

- **string CountryCode**

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

  **Property-Value**

  The ISO country code.

- **KindOfWorkTimeData KindOfWorkTime**

  Gets or sets the kind of work time.

  **Property-Value**

  The kind of work time.

- **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.

# 24. LinkedPartPositionMsg

## 24.1. Summary

Class RestRMI.Areas.Di.Models.LinkedPartPositionMsg contains the properties which arenecessary to call the web service methods LinkedPartPosition(LinkedPartPositionMsg).

## 24.2. Detailed Module Documentation

## 24.2.1. Properties

- **int ContentId**

Gets or sets identifier of the content.

**Property-Value**

The the content id.

- **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.

# 25. LinkedRelaysFusesMsg

## 25.1. Summary
Class RestRMI.Areas.Di.Models.LinkedRelaysFusesMsg contains the properties which are necessary to call the web service methods LinkedRelaysFuses(LinkedRelaysFusesMsg).

## 25.2. Detailed Module Documentation

### 25.2.1. Properties

- **int ComponentTypeId**

  Gets or sets the identifier of the component type.

  **Property-Value**

  The component type id.

- **int ContentId**

  Gets or sets the identifier of the content.

  **Property-Value**

  The the content id.

- **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.

# 26. LinkedTechnicalDataMsg

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

## 26.2. Detailed Module Documentation

## 26.2.1. Properties

- **int ContentId**

Gets or sets identifier of the content.

**Property-Value**

The the content id.

- **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.

# 27. LinkedTechnicalManualsMsg

## 27.1. Summary

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

## 27.2. Detailed Module Documentation

## 27.2.1. Properties

- **int ContentId**

Gets or sets the identifier of the content.

**Property-Value**

The the content id.

- **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.

# 28. LinkedWiringDiagramsMsg

## 28.1. Summary

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

## 28.2. Detailed Module Documentation

## 28.2.1. Properties

**- int ContentId**

Gets or sets identifier of the content.

**Property-Value**

The the content id.

**- 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.

# 29. ListMsg

## 29.1. Summary

Class RestRMI.Areas.Di.Models.ListMsg contains the properties which are necessary to call the web service methods List(ListMsg).

## 29.2. Detailed Module Documentation

## 29.2.1. Properties

- **Nullable<Int32> ComponentTypeId**

  Gets or sets 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.

- **Nullable<Int32> GenArtNumber**

  Gets or sets the generic article number.

  > Only if this contains a value and TextSearch is NULL or empty a search after the passed generic article is performed.

  **Property-Value**

  The generic article number.

- **Nullable<Int32> GenCritNumber**

  Gets or sets the generic criterion number.
  **Property-Value**

  The generic criterion number.

- **string GenCritValue**

  Gets or sets the generic criterion value.
  **Property-Value**

  The generic criterion value.

- **string LanguageCode**

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

**Property-Value**

The ISO language code.

### - string TextSearch

Gets or sets the text search. If this isn't NULL or empty a search after this value will be performed.

**Property-Value**

The text search.

### - 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. LtItemMpKor

## 30.1. 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.

## 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.

### - 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.

# 31. MainGroupHtmlMsg

## 31.1. Summary

Class RestRMI.Areas.Di.Models.MainGroupHtmlMsg contains the properties which are necessary to call the web service methods MainGroupHtml(MainGroupHtmlMsg).

## 31.2. Detailed Module Documentation

## 31.2.1. Properties

### - Nullable<Int32> ComponentTypeId

Gets or sets the identifier 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.

**- int MainGroupId**

Gets or sets the identifier of the main group.

**Property-Value**

The identifier of the main group.

**- bool PrintView**

Determines whether a document for printing or the normal document should be created.

**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.

# 32. ManualHtmlMsg

## 32.1. Summary

Class RestRMI.Areas.Di.Models.ManualHtmlMsg contains the properties which are necessary to call the web service methods ManualHtml(ManualHtmlMsg).

## 32.2. Detailed Module Documentation

## 32.2.1. Properties

### - Nullable<Int32> ComponentTypeId

Gets or sets the identifier 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.

### - 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.

### - string LinkUrl

Gets or sets the link url. The actual link information is going to be added at the end of this url. It is used where documents contains links

     to other and are shown in custom application.

**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 QualColId**

  Gets or sets the id of the qualifier collection. The id can be fetched by using the equivalent methods from the respective modules.

  **Property-Value**

  The qualifier collection id.

- **Nullable<Int32> SystemQualColId**

  Gets or sets the id of the system qualifier collection.

  **Property-Value**

  The system qualifier collection 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.

# 33. MeasuringUnitsMsg

## 33.1. Summary

Class RestRMI.Areas.Di.Models.MeasuringUnitsMsg contains the properties which are necessary to call the web service methods MeasuringUnits(MeasuringUnitsMsg).

## 33.2. Detailed Module Documentation

## 33.2.1. Properties

- **string LanguageCode**

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

  **Property-Value**

  The ISO language code.

# 34. PpItemMp

## 34.1. 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.


## 34.2. Detailed Module Documentation

## 34.2.1. 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.

# 35. PpManual

## 35.1. Summary

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

## 35.2. Detailed Module Documentation

### 35.2.1. 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.

# 36. QualCol

## 36.1. Summary

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

## 36.2. Detailed Module Documentation

### 36.2.1. 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.

# 37. SubGroupHtmlMsg

## 37.1. Summary

Class RestRMI.Areas.Di.Models.SubGroupHtmlMsg contains the properties which are necessary to call the web service methods SubGroupHtml(SubGroupHtmlMsg).

## 37.2. Detailed Module Documentation

## 37.2.1. Properties

- **Nullable<Int32> ComponentTypeId**

Gets or sets the identifier 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.

- **bool PrintView**

Determines whether a document for printing or the normal document should be created.

**Property-Value**

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

- **int SubGroupId**

Gets or sets the identifier of the sub group.

**Property-Value**

The identifier of the sub group.

- **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.

# 38. TmManual

## 38.1. Summary

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

## 38.2. Detailed Module Documentation

### 38.2.1. 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.

# 39. ValueMsg

## 39.1. Summary

Class RestRMI.Areas.Di.Models.ValueMsg contains the properties which are necessary to call the web

service methods Value(ValueMsg).

## 39.2. Detailed Module Documentation

## 39.2.1. Properties

- **Nullable<Int32> ComponentTypeId**

Gets or sets the component type id.

**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.

- **bool IncludeCondition**

Determines whether the condition should be included.

**Property-Value**

true if conditions should be included, false if not.

- **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 QualColId**

Gets or sets the id of the qualifier collection. The id can be fetched by using the equivalent methods from the respective modules.

**Property-Value**

The qualifier collection id.

- **Nullable<Int32> SystemQualColId**

Gets or sets the id of the system qualifier collection.

**Property-Value**

The system qualifier collection 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.

# 40. VehicleHasDiagnosticsMsg

## 40.1. Summary

Class RestRMI.Areas.Di.Models.VehicleHasDiagnosticsMsg contains the properties which are necessary to call the web service methods VehicleHasDiagnostics(VehicleHasDiagnosticsMsg).

## 40.2. Detailed Module Documentation

## 40.2.1. 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.

# 41. WdItemMp

## 41.1. 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.

## 41.2. Detailed Module Documentation

## 41.2.1. 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.

# 42. WdManual

## 42.1. Summary

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

## 42.2. Detailed Module Documentation

## 42.2.1. 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.