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Nota 1: per i submodel elements con kind = instance, l'attributo semanticId è stato omesso se la semantica del suddetto elemento è la stessa della semantica del suo tipo

Nota 2: le molteplicità 1 sono omesse nelle relazioni per questioni di leggibilità

id=http://localhost/aas-vg/1.0

<<AssetAdministrationShell>>
AAS_VG
- version = 1
- revision = 0

<<ConceptDictionary>>
ConceptDictionary

+dictionaries:1

<<Asset>>
536630
id=http://localhost/536630
- kind = Instance

- asset «ref»
«ref»
«ref»
«ref»

<<Property>>
AssetSerialNumber
- kind = Type
- semanticId = http://localhost/dict/002
- category = CONSTANT
- value : string

<<Property>>
AssetManufacturer
- kind = Type
- semanticId = http://localhost/dict/005
- category = CONSTANT
- value : string

id=http://localhost/identificationType

<<Submodel>>
Identification
- kind = Type
- semanticId = http://localhost/dict/001

+submodelElements:1
+submodelElements:2

<<Submodel>>
Identification
id=http://localhost/identification2
- kind = Instance
- semanticId = http://localhost/identificationType

+submodels:1   identification
+submodelElements:1
+submodelElements:2

<<Property>>
AssetSerialNumber
id=http://localhost/536630
- kind = Instance
- category = CONSTANT
- value = 012345678903

<<Property>>
AssetManufacturer
- kind = Instance
- category = CONSTANT
- value = Fischertechnik

HasSemantics «ref»

<<File>>
DataSheet
- kind = Type
- semanticId = http://localhost/dict/004
- mimeType: string
- value: string

id=http://localhost/configurationType

<<Submodel>>
Configuration
- kind = Type
- semanticId = http://localhost/dict/003

+submodelElements:1
0..*

+submodels:2

<<Submodel>>
Configuration
id=http://localhost/configuration2
- kind = Instance
- semanticId = http://localhost/configurationType

+submodelElements:1

<<File>>
536630-Vacuum_Gripper_Robot_24V
- kind = Instance
- mimeType = application/pdf
- value = http://localhost/rsc/datasheets/536630-Vacuum_Gripper_Robot_24V.pdf

HasSemantics «ref»

<<Operation>>
PickUp
- kind = Type
- semanticId = http://localhost/dict/007

<<Operation>>
SetDown
- kind = Type
- semanticId = http://localhost/dict/018

<<Operation>>
Move
- kind = Type
- semanticId = http://localhost/dict/029
- in: Terminal [3]

<<OperationVariable>>
coordinate
- kind = Type
- value: Terminal

<<Submodel>>
VacuumGripperRobot
id=http://localhost/gripperRobotType
- kind = Type
- semanticId = http://localhost/dict/006

+submodelElements:1
+submodelElements:2
+submodelElements:3
+submodelElements:4

<<Property>>
Terminal
- kind = Type
- semanticId = http://localhost/dict/009
- category = VARIABLE
- value: real

<<DataSpecification>>
TerminalData
id=http://localhost/terminalDataTemplate
- description

HasDataSpecification «ref»

<<DataSpecificationContent>>
- terminalType: string
- terminalNumber: int
- description: string

<<Submodel>>
VacuumGripper
id=http://localhost/gripper2
- kind = Instance
- semanticId = http://localhost/gripperRobotType

+submodels:3
+submodelElements:1
+submodelElements:2
+submodelElements:3
+submodelElements:4
+submodelElements:5
+submodelElements:6

HasSemantics «ref»

<<Operation>>
PickUp
- kind = Instance

<<Operation>>
SetDown
- kind = Instance

<<Operation>>
Move
- kind = Instance
- in: Terminal-SwitchVerticalAxis [1], Terminal-SwitchHorizontalAxis [1], Terminal-SwitchRotate [1]

<<Property>>
Terminal-SwitchVerticalAxis
- kind = Instance
- semanticId = http://localhost/dict/040
- category = VARIABLE
- terminalType = input (I1)
- terminalNumber = 5
- description = reference switch vertical axis
- value = 0.0

<<Property>>
Terminal-SwitchHorizontalAxis
- kind = Instance
- semanticId = http://localhost/dict/040
- category = VARIABLE
- terminalType = input (I2)
- terminalNumber = 6
- description = reference switch horizontal axis
- value = 0.0

<<Property>>
Terminal-SwitchRotate
- kind = Instance
- semanticId = http://localhost/dict/040
- category = VARIABLE
- terminalType = input (I3)
- terminalNumber = 7
- description = reference switch rotate
- value = 0.0

<<ConceptDescription>>
Identification
- preferredName (EN) = Identification
- preferredName (IT) = Identificazione
- description (IT) = Submodel contenente informazioni sull'identificazione dell'Asset
id=http://localhost/dict/001

+conceptDescriptions:1

<<ConceptDescription>>
AssetSerialNumber
- preferredName (EN) = Asset serial number
- preferredName (IT) = Numero seriale asset
- description (IT) = Numero seriale dell'asset
id=http://localhost/dict/002

+conceptDescriptions:2

<<ConceptDescription>>
AssetManufacturer
- preferredName (EN) = Asset Manufacturer
- preferredName (IT) = Produttore dell'asset
- description (IT) = Produttore dell'asset
id=http://localhost/dict/005

+conceptDescriptions:5

<<ConceptDescription>>
Configuration
- preferredName (EN) = Configuration
- preferredName (IT) = Configurazione
- description (IT) = Submodel contenente informazioni sulla configurazione dell'asset
id=http://localhost/dict/003

+conceptDescriptions:3

<<ConceptDescription>>
DataSheet
- preferredName (EN) = DataSheet
- preferredName (IT) = DataSheet
- description (IT) = File contenente il datasheet dell'asset
id=http://localhost/dict/004

+conceptDescriptions:4

<<ConceptDescription>>
Terminal
- preferredName (EN) = Terminal
- preferredName (IT) = Terminale
- description (IT) = Terminale di input o output
- unit = V
id=http://localhost/dict/009

+conceptDescriptions:16

<<ConceptDescription>>
VacuumGripper
- preferredName (EN) = VacuumGripper
- preferredName (IT) = Aspiratore a vuoto
- description (IT) = Elemento responsabile dello spostamento del blocco di produzione
id=http://localhost/dict/006

+conceptDescriptions:6

<<ConceptDescription>>
PickUp
- preferredName (EN) = PickUp
- preferredName (IT) = Raccogli
- description (IT) = Operazione di sollevamento del blocco di produzione per effettuarne lo spostamento
id=http://localhost/dict/007

+conceptDescriptions:7

<<ConceptDescription>>
MotorTerminal
- preferredName (EN) = Motor terminal
- preferredName (IT) = Terminale motore
- description (IT) = Terminale relativo ad un motorino elettrico
- unit = V
id=http://localhost/dict/017

+conceptDescriptions:17

<<ConceptDescription>>
SetDown
- preferredName (EN) = SetDown
- preferredName (IT) = Rilascia
- description (IT) = Operazione di rilascio del blocco di produzione per effettuarne lo spostamento
id=http://localhost/dict/018

+conceptDescriptions:18

<<ConceptDescription>>
Move
- preferredName (EN) = move
- preferredName (IT) = sposta
- description (IT) = Operazione di spostamento del braccio del vacuum gripper. Prende in input le coordinate di destinazione (x,y,z)
id=http://localhost/dict/029

+conceptDescriptions:29

<<ConceptDescription>>
SwitchTerminal
- preferredName (EN) = Switch Terminal
- preferredName (IT) = Terminale Switch
- description (IT) = Terminale relativo ad uno switch
- unit = V
id=http://localhost/dict/040

+conceptDescriptions:40

<<ConceptDescription>>
LightBarrierTerminal
- preferredName (EN) = Light barrier Terminal
- preferredName (IT) = Terminale sensore luminoso
- description (IT) = Terminale relativo ad un sensore luminoso
- unit = V
id=http://localhost/dict/041

+conceptDescriptions:41

<<ConceptDescription>>
ValveTerminal
- preferredName (EN) = Valve Terminal
- preferredName (IT) = Terminale Valvola
- description (IT) = Terminale relativo ad una valvola
- unit = V
id=http://localhost/dict/025

+conceptDescriptions:25

<<ConceptDescription>>
CompressorTerminal
- preferredName (EN) = Compressor Terminal
- preferredName (IT) = Terminale Compressore
- description (IT) = Terminale relativo ad un compressore
- unit = V
id=http://localhost/dict/027

+conceptDescriptions:27

<<ConceptDescription>>
LightTerminal
- preferredName (EN) = Light Terminal
- preferredName (IT) = Terminale Luce
- description (IT) = Terminale relativo ad una luce
- unit = V
id=http://localhost/dict/032

+conceptDescriptions:32