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=www.test.com/aas-vg/1.0

<<AssetAdministrationShell>>
AAS_VG

- version = 1
- revision = 0

<<Asset>>
536630

- kind = Instance

<<ConceptDictionary>>
ConceptDictionary

+dictionaries:1

<<Property>>
AssetSerialNumber

- kind = Type
- semanticId = http://www.test.com/002
- category = CONSTANT
- value: string

<<Property>>
AssetManufacturer

- kind = Type
- semanticId = http://www.test.com/005
- category = CONSTANT
- value: string

<<File>>
DataSheet

- kind = Type
- semanticId = http://www.test.com/004
- mimeType: string
- value: string

id=http://www.test.com/identificationType

<<Submodel>>
Identification

- kind = Type
- semanticId = http://www.test.com/001

id=http://www.test.com/configurationType

<<Submodel>>
Configuration

- kind = Type
- semanticId = http://www.test.com/003

<<Submodel>>
Identification

- kind = Instance
- semanticId = http://www.test.com/identificationType

id=http://www.test.com/identification2

<<Property>>
AssetSerialNumber

- kind = Instance
- category = CONSTANT
- value = TODO

<<Property>>
AssetManufacturer

- kind = Instance
- category = CONSTANT
- value = Fischertechnik

<<Submodel>>
Configuration

- kind = Instance
- semanticId = http://www.test.com/configurationType

id=http://www.test.com/configuration2

<<File>>
536630-Vacuum_Gripper_Robot_24V

- kind = Instance
- mimeType = application/pdf
- value = https://drive.google.com/file/d/15k3wB cavtV-Tv5XV1fIkxuhFM9Y4GE0G/view?usp=sharing

id=http://www.test.com/536630

- kind = Instance

<<Operation>>
PickUp

- kind = Type
- semanticId = http://www.test.com/007

<<Operation>>
SetDown

- kind = Type
- semanticId = http://www.test.com/018

<<Operation>>
Move

- kind = Type
- semanticId = http://www.test.com/029
- in: Terminal [3]

<<OperationVariable>>
coordinate

- kind = Type
- value: Terminal

id=http://www.test.com/gripperRobotType

<<Submodel>>
VacuumGripperRobot

- kind = Type
- semanticId=http://www.test.com/006

<<Property>>
Terminal

- kind = Type
- semanticId = http://www.test.com/009
- category = VARIABLE
- value: real

<<DataSpecification>>
TerminalData

- description

id=http://www.test.com/terminalDataTemplate

<<DataSpecificationContent>>

- terminalType: string
- terminalNumber: int
- description: string

<<Submodel>>
VacuumGripper

- kind = Instance
- semanticId = http://www.test.com/gripperRobotType

id=http://www.test.com/gripper2

<<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://www.test.com/040
- category = VARIABLE
- terminalType = input (I1)
- terminalNumber = 5
- description = reference switch vertical axis
- value = 0.0

<<Property>>
Terminal-SwitchHorizontalAxis

- kind = Instance
- semanticId = http://www.test.com/040
- category = VARIABLE
- terminalType = input (I2)
- terminalNumber = 6
- description = reference switch horizontal axis
- value = 0.0

<<Property>>
Terminal-SwitchRotate

- kind = Instance
- semanticId = http://www.test.com/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://www.test.com/001

<<ConceptDescription>>
AssetManufacturer

- preferredName (EN) = Asset serial number
- preferredName (IT) = Identificazione
- description (IT) = Numero seriale dell'asset

id=http://www.test.com/002

<<ConceptDescription>>
Configuration

- preferredName (EN) = Configuration
- preferredName (IT) = Configurazione
- description (IT) = Submodel contenente informazioni sulla configurazione dell'asset

id=http://www.test.com/003

<<ConceptDescription>>
DataSheet

- preferredName (EN) = DataSheet
- preferredName (IT) = DataSheet
- description (IT) = File contenente il datasheet dell'asset

id=http://www.test.com/004

<<ConceptDescription>>
VacuumGripper

- preferredName (EN) = VacuumGripper
- preferredName (IT) = Aspiratore a vuoto
- description (IT) = Elemento responsabile dello spostamento dei blocchi di produzione

id=http://www.test.com/006

<<ConceptDescription>>
PickUp

- preferredName (EN) = PickUp
- preferredName (IT) = Raccogli
- description (IT) = Operazione di sollevamento del blocco di produzione per effettuarne lo spostamento

id=http://www.test.com/007

<<ConceptDescription>>
SetDown

- preferredName (EN) = SetDown
- preferredName (IT) = Rilascia
- description (IT) = Operazione di rilascio del blocco di produzione per effettuare lo spostamento

id=http://www.test.com/018

<<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://www.test.com/029

<<ConceptDescription>>
AssetManufacturer

- preferredName (EN) = Asset Manufacturer
- preferredName (IT) = Produttore dell'asset
- description (IT) = Produttore dell'asset

id=http://www.test.com/005

<<ConceptDescription>>
Terminal

- preferredName (EN) = Terminal
- preferredName (IT) = Terminale
- description (IT) = Terminale di input o output
- unit = V

id=http://www.test.com/009

<<ConceptDescription>>
MotorTerminal

- preferredName (EN) = Motor terminal
- preferredName (IT) = Terminale motore
- description (IT) = Terminale relativo ad un motorino elettrico
- unit = V

id=http://www.test.com/017

<<ConceptDescription>>
SwitchTerminal

- preferredName (EN) = Switch Terminal
- preferredName (IT) = Terminale Switch
- description (IT) = Terminale relativo ad uno switch
- unit = V

id=http://www.test.com/040

<<ConceptDescription>>
LightBarrierTerminal

- preferredName (EN) = Light barrier Terminal
- preferredName (IT) = Terminale sensore luminoso
- description (IT) = Terminale relativo ad un sensore luminoso
- unit = V

id=http://www.test.com/041

<<ConceptDescription>>
ValveTerminal

- preferredName (EN) = Valve Terminal
- preferredName (IT) = Terminale Valvola
- description (IT) = Terminale relativo ad una valvola
- unit = V

id=http://www.test.com/025

<<ConceptDescription>>
CompressorTerminal

- preferredName (EN) = Compressor Terminal
- preferredName (IT) = Terminale Compressore
- description (IT) = Terminale relativo ad un compressore
- unit = V

id=http://www.test.com/027

<<ConceptDescription>>
LightTerminal

- preferredName (EN) = Light Terminal
- preferredName (IT) = Terminale Luce
- description (IT) = Terminale relativo ad una luce
- unit = V

id=http://www.test.com/032