DataHub - SignalGroups - mdaBasic

General Description

Service name	mdaBasic
Description	basic data for machine data acquisition
Condition	Enabled on the machine & requested by the DataHub
Customer controlled	☑
Enabled er default	☐
Use case	BasicDataSet without alarms
Publish interval	event
Variable publish interval	☐

Additional Remarks

Related Jira issues

Device twin parameter

Parameter	Format	Description	default value, if not given in device twin
enabled	boolean - true/false	Indicates if *mdaBasic* is activated at the machine (start date is set on the machine). This parameter is reported by the MDC al the time. • reported property The property is reported by the MDC according to the desired property. Reported property should always be the same value as desired property. • desired property The desired property is written by the DataHub. Only if the desired property is written to "true", the service related data point are send	

Data point list for this signal group

Data Point	Description	Data Type	Data Point Type	Availability SIEMENS	Availability Heidenhain	Availability FANUC	Availability MAPPS
production. activeProgram. currentExecutionState	The execution state of the machine tool	string	event	TBC	TBC	TBC	TBC
auxiliaries.stacklight. colorBlue	Blue color of the stacklight	string	event	YES	YES UDI	YES	TBD
production. activeProgram. selectedProgramName	Name of the currently selected main program in the first channel/path	string	event	YES	YES UDI	TBC	TBC

spindles.spindle[N].override	The Override applied to a spindle in percent	float	event	YES	YES UDI	TBC	TBC
channels.channel[N].feedOverride	Feed override applied to the axis in a channel	float	event	YES	YES UDI	TBD	TBD
channels.channel[N].rapidFeedOverride	The feed override applied to rapid traverse	float	event	YES	YES UDI	TBD	TBD
channels.channel[N].activeToolID1		int	event	YES	YES UDI	TBC	TBC
channels.channel[N].activeToolID2		string	event	YES	YES UDI	TBC	TBC
channels.channel[N].activeToolName		string	event	YES	YES UDI	TBC	TBC
channels.channel[N].state	General information about the status of a channel	string	event	YES	YES UDI	TBC	TBC
auxiliaries.stacklight.colorGreen	Green color of the stacklight	string	event	YES	YES UDI	YES	TBD
auxiliaries.stacklight.colorRed	Red color of the stacklight	string	event	YES	YES UDI	YES	TBD
auxiliaries.stacklight.colorYellow	Yellow color of the stacklight	string	event	YES	YES UDI	YES	TBD
channels.channel[N].controllerMode	current controller mode of the channel	string	event	YES	YES UDI	TBD	TBD
production.currentJob.partsCounter	part counter for the current job	int	event	YES	YES UDI	TBD	TBD
production.currentJob.partsDesired	number of desired parts for the current job	int	event	YES	YES UDI	TBD	TBD
systems.machine.operationMode	machine operation mode, related to the machinery functional safety standard	string	event	YES	YES UDI	TBC	TBC
systems.machine.partCounter	Life time part counter of the machine tool	int	probe	YES	YES UDI	TBC	TBC
production.activeProgram.selectedProgramPath	Path to the selected main program in the first channel /path	string	event	YES	YES UDI	TBC	TBC
systems.machineDataConnector.machineConnectionEstablished	information about the connection status of the machine	boolean	event	YES	YES	YES	YES