

Sample Engine

Engine Identifier	INTEGER	NOT NULL
Name	VARCHAR(120)	NOT NULL
Description	VARCHAR(255)	NOT NULL
Uniform Resource Locator	VARCHAR(2048)	NOT NULL

Channel Group

Group Identifier	INTEGER	NOT NULL
Name	VARCHAR(120)	NULL
Engine Identifier (FK)	INTEGER	NOT NULL
Enabling Channel Identifier (FK)	INTEGER	NULL
Retention Identifier (FK)	NUMERIC(5,0)	NOT NULL

Retention

Retention Identifier	NUMERIC(5,0)	NOT NULL
Description	VARCHAR(10)	NOT NULL

Sample Mode

Sample Mode Identifier	INTEGER	NOT NULL
Name	VARCHAR(120)	NOT NULL
Description	VARCHAR(255)	NOT NULL

Channel

Channel Identifier	INTEGER	NOT NULL
Channel Name	VARCHAR(100)	NOT NULL
Group Identifier (FK)	INTEGER	NULL
Sample Mode Identifier (FK)	INTEGER	NOT NULL
Sampling Period	DOUBLE PRECISION	NOT NULL

Enumeration Metadata

Channel Identifier (FK)	INTEGER	NOT NULL
Enumeration Number	INTEGER	NOT NULL
Enumeration Value	VARCHAR(128)	NOT NULL

Numerical MetaData

Channel Identifier (FK)	INTEGER	NOT NULL
Unit	VARCHAR(20)	NOT NULL
Precision	NUMERIC(3,0)	NULL
Low Display Range	DOUBLE PRECISION	NULL
High Display Range	DOUBLE PRECISION	NULL
Low Alarm Limit	DOUBLE PRECISION	NULL
High Alarm Limit	DOUBLE PRECISION	NULL
Low Warning Limit	DOUBLE PRECISION	NULL
High Warning Limit	DOUBLE PRECISION	NULL

Sample

Channel Identifier (FK)	INTEGER	NOT NULL
Sample Time	DATETIME	NOT NULL
Severity Identifier (FK)	INTEGER	NOT NULL
Status Identifier (FK)	INTEGER	NOT NULL
Numeric Value	REAL/SMALLFLOAT	NULL
Float Value	DOUBLE PRECISION	NULL
String Value	VARCHAR(128)	NULL

Status

Status Identifier	INTEGER	NOT NULL
Status Name	VARCHAR(100)	NOT NULL

Severity

Severity Identifier	INTEGER	NOT NULL
Severity Name	VARCHAR(100)	NOT NULL

Array Value

Sample Time (FK)	DATETIME	NOT NULL
Sequence Number	INTEGER	NOT NULL
Channel Identifier (FK)	INTEGER	NOT NULL
Float Value	DOUBLE PRECISION	NOT NULL