Number of items in directory

Description
This app reports the number of items in a directory (or folder) at specified intervals. It does this by outputting a JSON-file through the outgoing connection. This file also has a private data key with the number of items from the directory (or folder).

Use cases include monitoring a folder when it becomes empty. Perhaps you have a significant workload and want to be notified when it has been processed. Alternatively, you may need to monitor if a folder becomes filled with files beyond a certain threshold; for instance, if a process crashes and the files waiting in the input folder keeps accumulating.

With this app, you can set up monitoring by sorting the JSON-file based on the number of items in the folder and triggering an email or other actions based on the log.

Compatibility
Switch 2022 Fall and later

Connections
The app has only an outgoing connection. This contains the JSON-file with the number of items in the folder as private data.

Example of JSON-file

```json
{
  "directory": "/Users/jh/TEST Number of items",
  "fileCount": 9,
  "fileTypes": { "pdf": 9 },
  "items": [
    { "name": "Sample file 1.pdf", "type": "pdf" },
    { "name": "Sample file 2.pdf", "type": "pdf" },
    { "name": "Sample file 3.pdf", "type": "pdf" },
    { "name": "Sample file 4.pdf", "type": "pdf" },
    { "name": "Sample file 5.pdf", "type": "pdf" },
    { "name": "Sample file 6.pdf", "type": "pdf" },
    { "name": "Sample file 7.pdf", "type": "pdf" },
    { "name": "Sample file 8.pdf", "type": "pdf" },
    { "name": "Sample file 9.pdf", "type": "pdf" }
  ],
  "timestamp": "2025-04-24T17:58:24.035Z"
}
```

Properties detailed info
Interval to check directory: Determines how often you need to check the directory/folder. This is in seconds.
Directory to check: Defines the directory to check for number of items.
Private data key: Defines the name under which the private data is saved.
Dataset name: Defines the name of the dataset with information about the files in the directory.
Filename: The name of the JSON-file saved with the information. Remember the JSON is also attached as a dataset, so there is no need for JSON pickup element.