I think it is good to specify the concrete data type and size if already known.

It is also good to know whether the data is a simple value, array or other structure, e.g. waveform, image etc.

Boolean, discrete, continuos, array, complex would be the first guess for the kind of process variable that could be specified later on when the information becomes available.

So, the kind of process variable is demanding, the details are optional. On the other hand the kind could be derived from the details.

Holger